

AUDIO-VIDEO STEREO RECEIVER

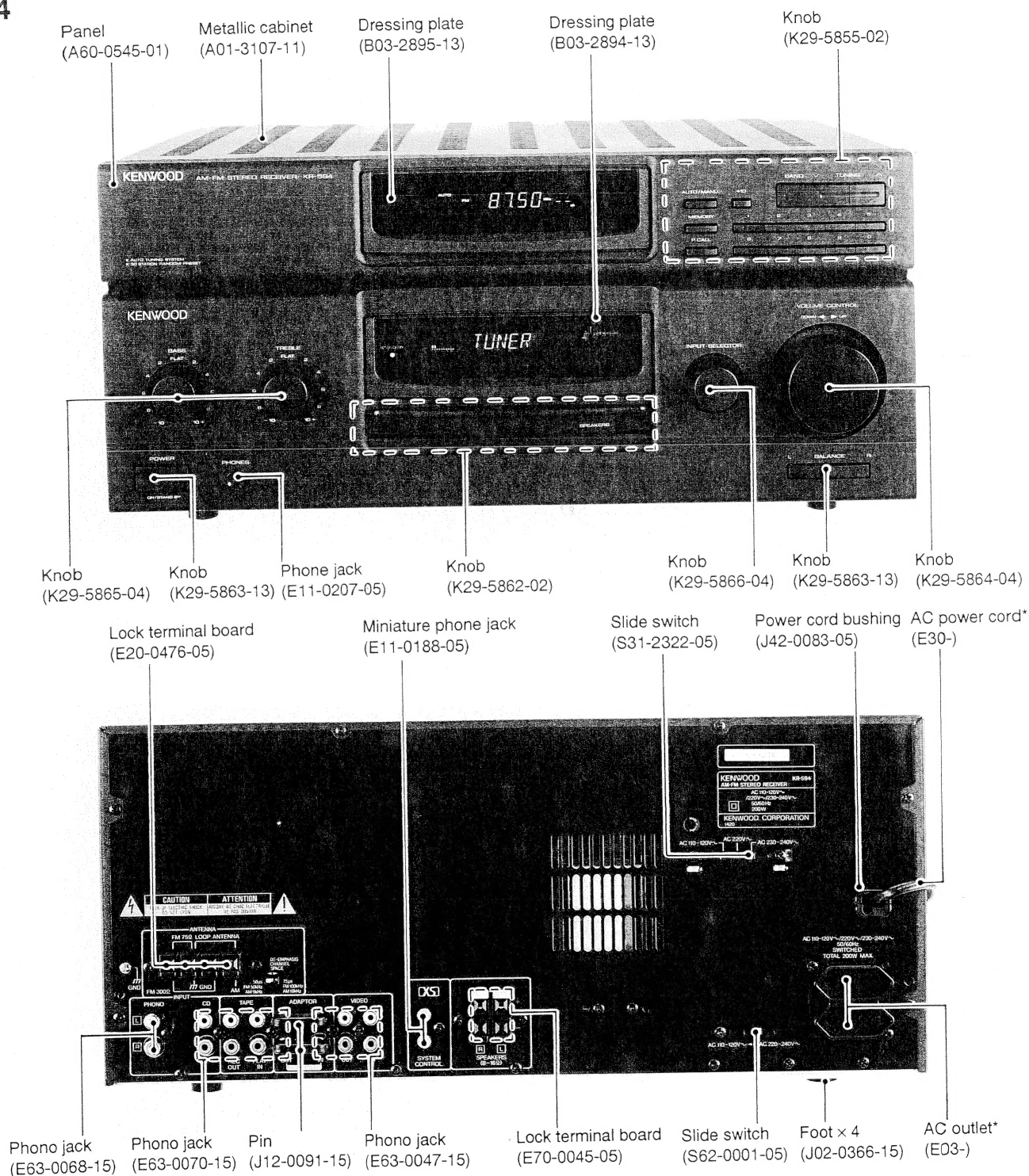
KR-594/794

SERVICE MANUAL

KENWOOD

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KR-594



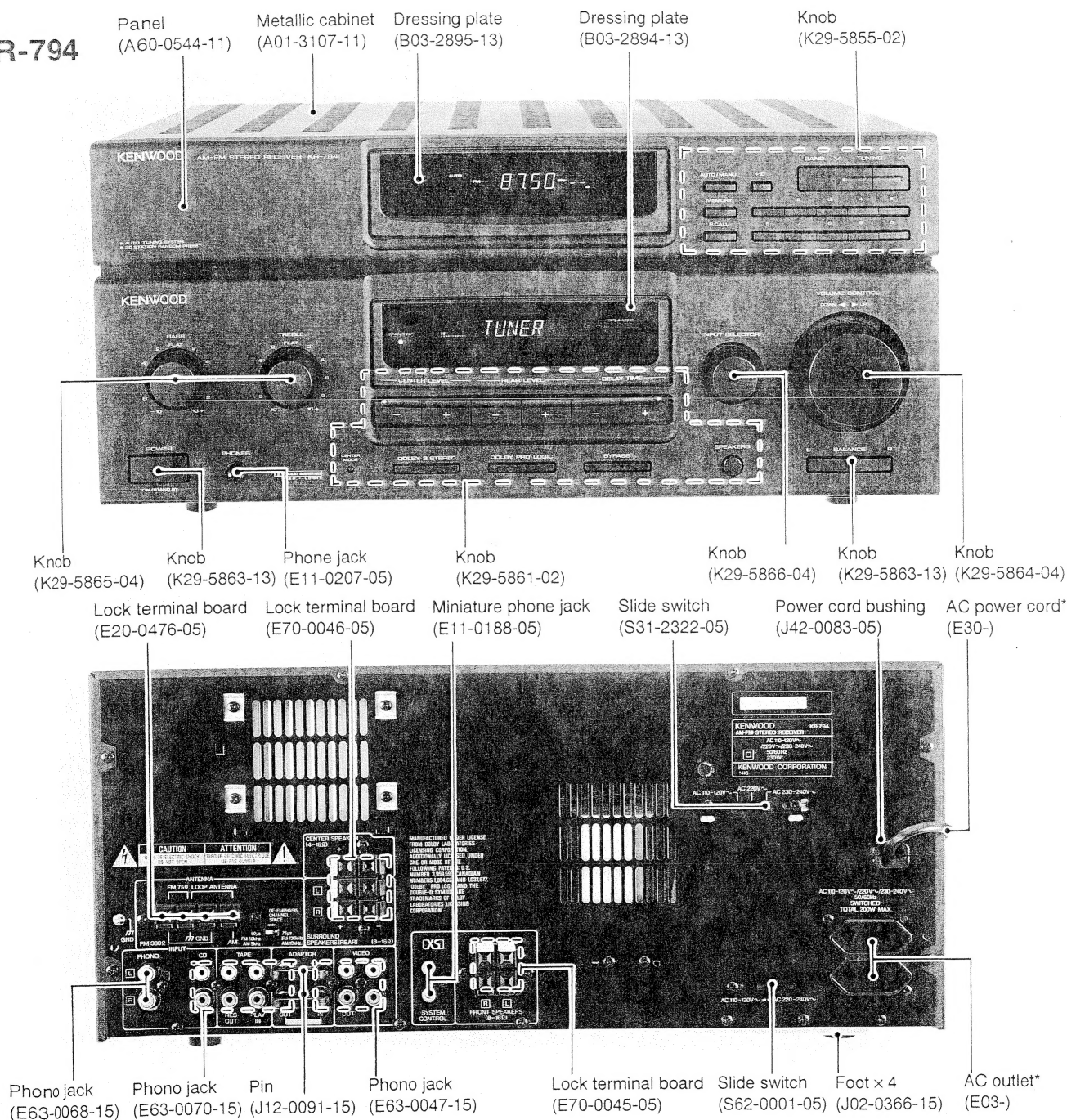
*Refer to parts list on page 41.

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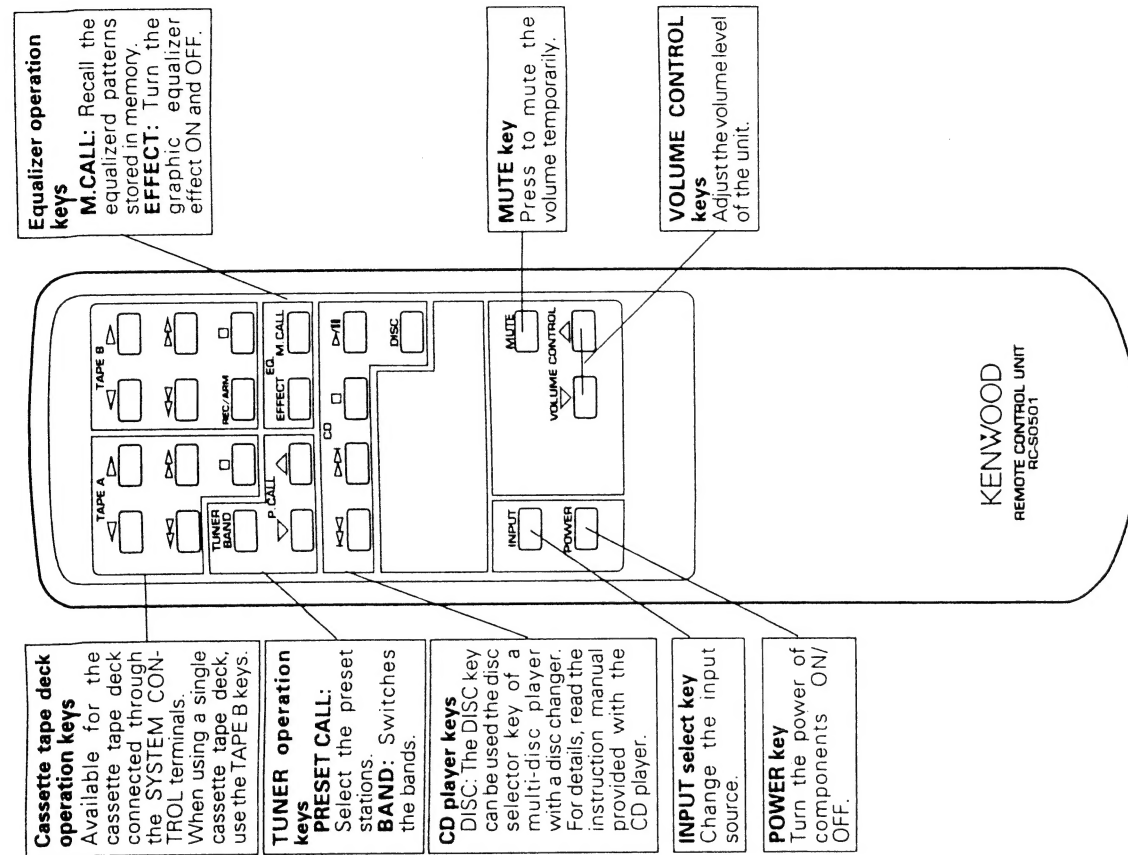


*Refer to parts list on page 41.

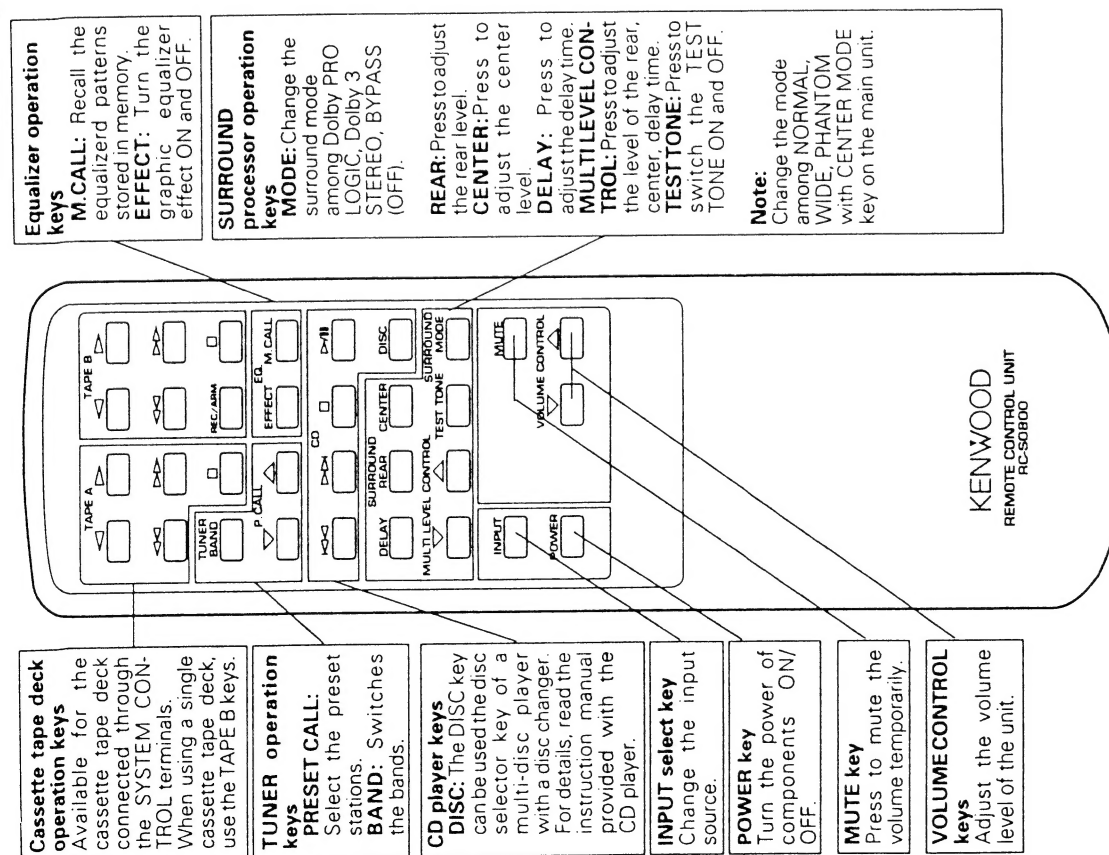
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REMOTE CONTROL UNIT

KR-594



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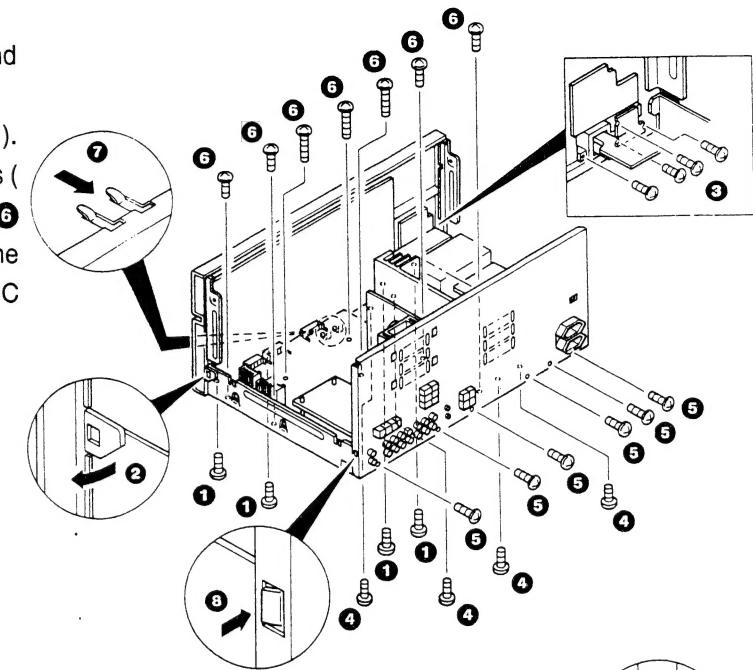


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DISASSEMBLY FOR REPAIR

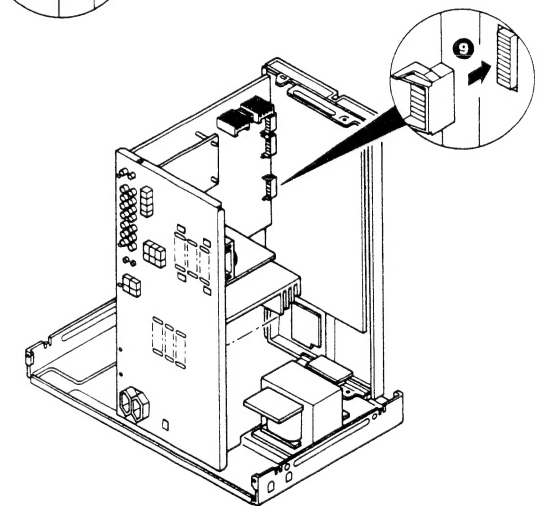
① How to remove the front panel and main PC board.

- 1) Remove the 4 screws (①) from the bottom, and both hook (②), then remove the front panel.
- 2) Head phone is removed by removing 4 screws (③).
- 3) Remove the 4 screws (④) of the bottom, 6 screws (⑤) of the back side, 7 PCB attachment screws (⑥), and remove the bottom hook (⑦), both of the back side hooks (⑧), then remove the main PC board.



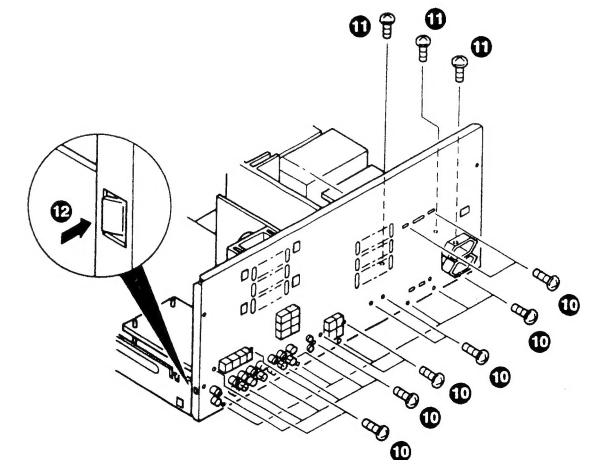
When checking circuit continuity

Connect the FL PCB and main PCB's 3 connectors, and assemble as shown in the figure.

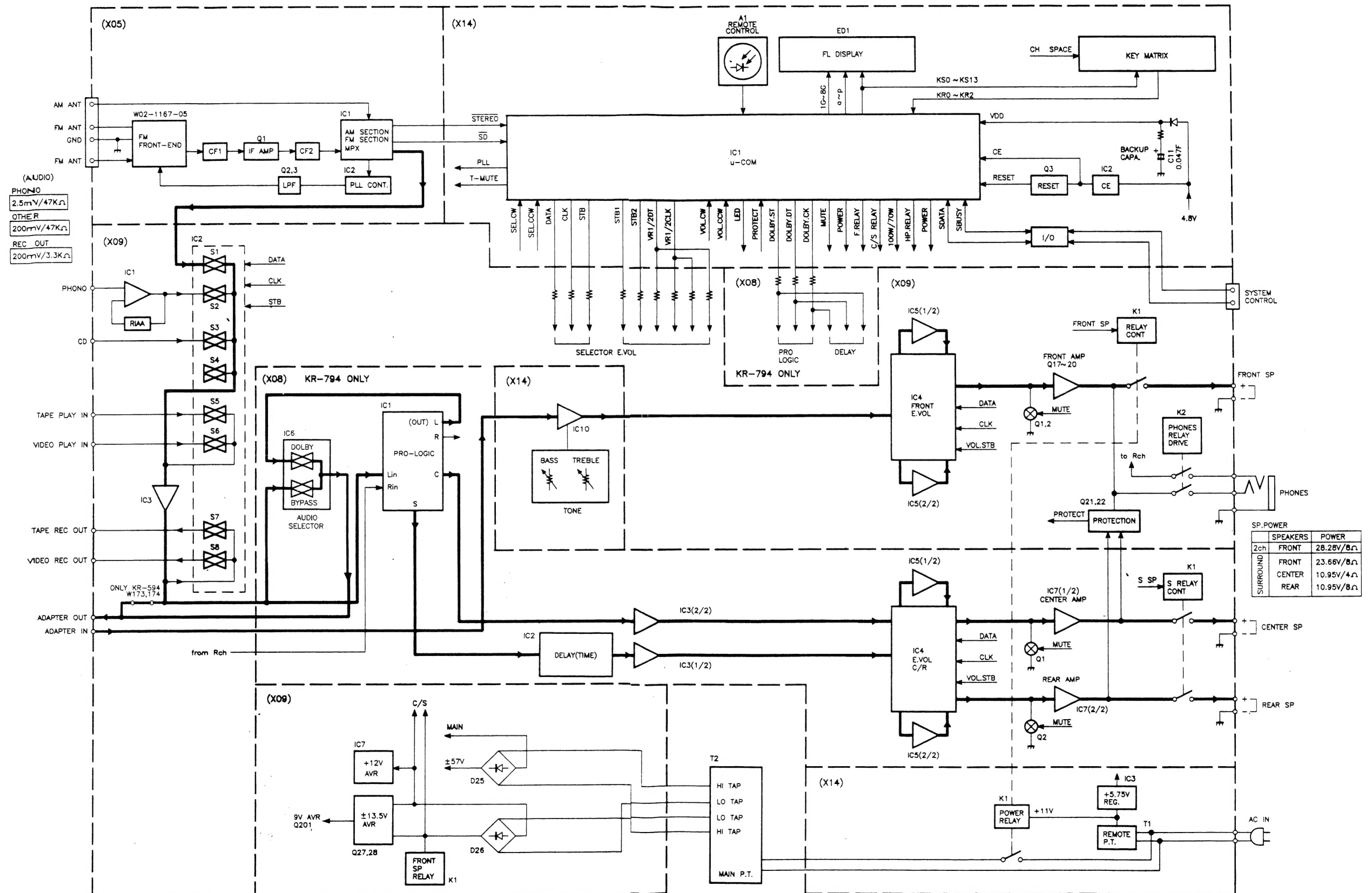


② How to remove the DSP PC board.(KR-794 only)

- 1) Remove the 20 attachment screws (⑩) from rear panel, 2 hooks (⑪), and 3 screws (⑨) of remote trance PCB, then remove the DSP PCB.



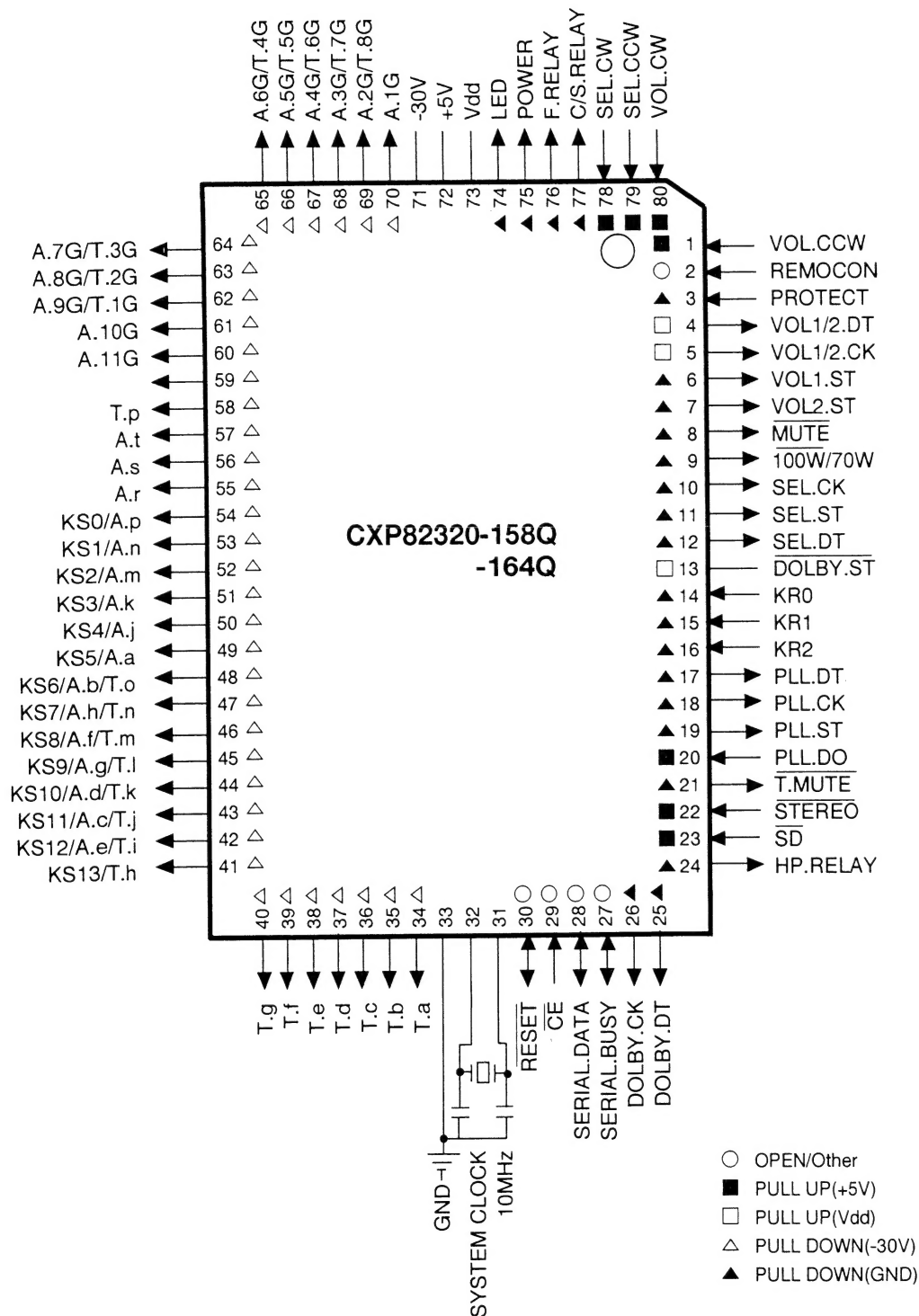
KR-594/794 KR-594/794 BLOCK DIAGRAM



CIRCUIT DESCRIPTION

Microprocessor : CXP82320-158Q(X14 : IC1) : KR-594
 -164Q(X14 : IC1) : KR-794

① Port layout



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CIRCUIT DESCRIPTION

② KEY MATRIX

	Pin No.	⑭	⑮	⑯
Pin No.	Name	KR0	KR1	KR2
④①	FL T.h/KS _{INI} 2	DSW3	DSW4	DSW5
④②	FL A.e/T.i/KS _{INI} 1	DSW0	DSW1	DSW2
④③	FL A.c/T.j/KS11	0	5	TUNING UP
④④	FL A.d/T.k/KS10	9	4	TUNING DOWN
④⑤	FL A.g/T.l/KS09	8	3	BAND
④⑥	FL A.f/T.m/KS08	7	2	-
④⑦	FL A.h/T.n/KS07	6	1	+10
④⑧	FL A.b/T.o/KS06	P.CALL	MEMORY	AUTO/MANUAL
④⑨	FL A.a/KS05	SPEAKER ON/OFF	DELAY TIME UP	POWER
⑤⑩	FL A.j/KS04	TEST-TONE	DELAY TIME DOWN	LINE-STRAIGHT
⑤①	FL A.k/KS03	BALANCE L	REAR SPEAKER VOLUME UP	LODNESS
⑤②	FL A.m/KS02	BALANCE R	REAR SPEAKER VOLUME DOWN	BYPASS
⑤③	FL A.n/KS01	CENTER MODE	CENTER SPEAKER VOLUME UP	Dolby Pro Logic
⑤④	FL A.p/KS00	-	CENTER SPEAKER VOLUME DOWN	Dolby 3-Stereo

CIRCUIT DESCRIPTION

③ Pin description

Pin No.	I/O	Name	Description
1	I	VOL.CCW	Master volume encoder B terminal
2	I	REMOCON	Remote controller signal
3	I	PROTECT	Protection detection
4	O	VOL1/2.DT	Electrical VOL IC DATA (TC9212P/TC9213P)
5	O	VOL1/2.CK	Electrical VOL IC CLOCK (TC9212P/TC9213P)
6	O	VOL1.ST	Electrical VOL IC STROBE (TC9212P/TC9213P)
7	O	VOL2.ST	Electrical VOL IC STROBE (TC9212P)
8	O	MUTE	Mute
9	O	100W/70W (KR)	100W/70W Relay change
10	O	SEL.CK	Audio selector IC CLOCK (TC9164N)
11	O	SEL.ST	Audio selector IC STROBE (TC9164N)
12	O	SEL.DT	Audio selector IC DATA (TC9164N)
13	O	DOLBY.ST	DOLBY IC ENABLE (LA2785/LV1010) (KR-794 only)
14	I	KR0	Key return 0
15	I	KR1	Key return 1
16	I	KR2	Key return 2
17	O	PLL.DT	PLL IC DATA(LC7218)
18	O	PLL.CK	PLL IC CLOCK(LC7218)
19	O	PLL.ST	PLL IC ENABLE(LC7218)
20	I	PLL.D0	PLL IC D0 (LC7218)
21	O	T.MUTE	Tuner mute
22	I	STEREO	Tuner stereo signal
23	I	SD	Tuner SD signal
24	O	HP.RELAY	Headphone relay
25	O	DOLBY.DT	DOLBY IC DATA(LA2785/LV1010) (KR-794 only)
26	O	DOLBY.CK	DOLBY IC CLOCK(LA2785/LV1010) (KR-794 only)
27	I/O	SERIAL.BUSY	Serial busy
28	I/O	SERIAL.DATA	Serial data
29	I	\overline{CE}	Chip enable
30	I/O	\overline{RESET}	Reset
31	I	EXTAL	Ceramic OSC 10MHz
32		XTAL	Ceramic OSC 10MHz
33		Vss	GND
34	O	T.a	Tuner FL segment a
35	O	T.b	Tuner FL segment b
36	O	T.c	Tuner FL segment c
37	O	T.d	Tuner FL segment d
38	O	T.e	Tuner FL segment e
39	O	T.f	Tuner FL segment f
40	O	T.g	Tuner FL segment g

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CIRCUIT DESCRIPTION

Pin No.	I/O	Name	Description
41	O	KS13/T.h	Key scan 13/ Tuner FL segment h
42	O	KS12/T.i/A.e	Key scan 12/ Tuner FL segment i/ Amp FL segment e
43	O	KS11/T.j/A.c	Key scan 11/ Tuner FL segment j/ Amp segment c
44	O	KS10/T.kA.d	Key scan 10/ Tuner FL segment k/ Amp segment d
45	O	KS9/T.l/A.g	Key scan 9/ Tuner FL segment l/ Amp FL segment g
46	O	KS8/T.m/A.f	Key scan 8/ Tuner FL segment m/ Amp FL segment f
47	O	KS7/T.n/A.h	Key scan 7/ Tuner FL segment n/ Amp FL segment h
48	O	KS6/T.o/A.b	Key scan 6/ Tuner FL segment o/ Amp FL segment b
49	O	A.a	Amp FL segment a
50	O	A.j	Amp FL segment j
51	O	A.k	Amp FL segment k
52	O	A.m	Amp FL segment m
53	O	A.n	Amp FL segment n
54	O	A.p	Amp FL segment p
55	O	A.r	Amp FL segment r
56	O	A.s	Amp FL segment s
57	O	A.t	Amp FL segment t
58	O	T.p	Tuner FL segment p
59	O	NC	Unused
60	O	A.11G	Amp FL grid 11
61	O	A.10G	Amp FL grid 10
62	O	T.1G/A.9G	Tuner FL grid 1/ Amp FL grid 9
63	O	T.2G/A.8G	Tuner FL grid 2/ Amp FL grid 8
64	O	T.3G/A.7G	Tuner FL grid 3/ Amp FL grid 7
65	O	T.4G/A.6G	Tuner FL grid 4/ Amp FL grid 6
66	O	T.5G/A.5G	Tuner FL grid 5/ Amp FL grid 5
67	O	T.6G/A.4G	Tuner FL grid 6/ Amp FL grid 4
68	O	T.7G/A.3G	Tuner FL grid 7/ Amp FL grid 3
69	O	T.8G/A.2G	Tuner FL grid 8/ Amp FL grid 2
70	O	A.1G	Amp FL grid 1
71		- 30V	Power supply terminal for Fluorescent display output drive circuit(- 30V)
72		+ 5V	Supply voltage terminal(+ 5V)
73		NC	NC terminal, but during normal operation it goes to Vdd(+5V)
74	O	LED	Standby LED
75	O	POWER	Power supply relay
76	O	F.RELAY	Front relay
77	O	C/S.RELAY	Center surround relay
78	O	SEL.CW	Input selector encoder A terminal
79	O	SEL.CCW	Input selector encoder B terminal
80	O	VOL.CW	Master volume encoder A terminal

CIRCUIT DESCRIPTION

④ Test mode

(1) Setting method

- Plug the power cord into an AC outlet while depressing the SPEAKER ON/OFF key.

(2) Cancellation method

- TEST MODE cancels by unplugging the power cord from AC outlet and restores the initial setting condition.

(3) Contents

① Auto POWER ON

- If the power cord is plugged an AC outlet while depressing the SPEAKER ON/OFF key, the POWER ON mode is always entered and all functions are initialized.
- Actuations (MUTE/IC control, etc.) at POWER ON are carried out the same as in the normal actuation mode. (This is because POWER ON without turning on the MUTE sometimes activates the protection circuitry and prevents the inspection from proceeding further.)

② ALL-illuminated MODE

- If the power cord is plugged in an AC outlet while depressing the SPEAKER ON/OFF key, all the Fluorescent and LED indicators always illuminate. Then return to the normal display condition when any key is pressed.

③ Main unit key effective/ineffective confirmation

- This enables confirmation of whether the main unit keys are being received.

⑤ Keys and switches with different actuations in test mode and normal mode, and their test mode actuations :

- BALANCE L 3-stage settings
R→CENTER→L 3-stage settings
- BALANCE R 3-stage settings
L→CENTER→R 3-stage settings
- DELAY UP 3-stage settings
KEY MINIMUM→CENTER→MAXIMUM
3-stage settings
- DELAY DOWN 3-stage settings
KEY MAXIMUM→CENTER→MINIMUM

3-stage settings

- CENTER LEVEL UP KEY 3-stage settings
MINIMUM→CENTER→
MAXIMUM 3-stage settings
- CENTER LEVEL DOWN 3-stage settings
KEY MAXIMUM→CENTER→
MINIMUM 3-stage settings
- REAR LEVEL UP KEY 3-stage settings
MINIMUM→CENTER→
MAXIMUM 3-stage settings
- REAR LEVEL DOWN 3-stage settings
KEY MAXIMUM→CENTER→
MINIMUM 3-stage settings

- 0~9, +10 KEY When the +10 KEY has not been pressed once, pressing the 0 KEY calls ch.10.

Pressing the 1~9 KEY calls ch.1~9.
When the +10 KEY has been pressed once, pressing the 0 KEY calls ch.20.

Pressing the 1~9 KEY calls ch.11~19

When the +10 KEY has been pressed twice, pressing the 0 KEY calls ch.30.

Pressing the 1~9 KEY calls ch.21~29.

When pressing +10 key in PRESET ch. is 30 ch. same as +10 key has not been pressed once.

Pressing the 0 KEY calls ch.10 and pressing the 1~9 KEY calls ch.1~9.

- 8Ω/4Ω SW The switch mode is shown by the TAPE2 indicator.

8Ω: TAPE2 indicator light off.

4Ω: TAPE2 indicator light on.

However, although TAPE2 indication is done continually, No.9 pin 70W/100W control port H/L switching is during POWER ON/OFF time, SPEAKER ON/OFF time, switching time DOLBY MODE⇄BYPASS, switching INPUT SELECTOR.

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CIRCUIT DESCRIPTION

- ⑤ MUTE signal output
 - MUTE signal output actuates normally.
- ⑥ Dealing with switches only on the remote control unit
 - Switches only found on the remote control unit are tested using the remote control unit during test

mode, and therefore the program does not accommodate them.

- ⑦ Relay control during DOLBY MODE
 - Relay control during DOLBY MODE is done the same as during normal operation mode.

⑤ Initial setting

POWER ON/OFF	: OFF
MAIN VOLUME level	: - 66dB
L/R BALANCE	: CENTER
DISPLAY MODE	: INPUT SELECTOR
RAM display AREA	: ALL CLEAR
Judgment FLAG during DECK REC	: During NOT REC
Judgment FLAG during CCRS	: During NOT CCRS
Sound INPUT SELECTOR	: TUNER
SPEAKER	: ON
LOUDNESS	: OFF
LINE STRAIGHT	: OFF
DOLBY SURROUND MODE	: BYPASS
DOLBY PRO LOGIC CENTER	
SPEAKER MODE	: NORMAL
DOLBY 3-STEREO CENTER	
SPEAKER MODE	: NORMAL
DOLBY PRO LOGIC DELAY TIME	: 20msec
CENTER SPEAKER VOLUME LEVEL	: 0dB(Electrical volume is +5dB)
REAR SPEAKER VOLUME LEVEL	: 0dB(Electrical volume is +5dB)
TEST TONE	: OFF

(TEST PRESET FREQUENCY)

PRESET ch	FREQUENCY					
	K1(1700)		K2(1610)		E(Without LW)	
1	FM	98.0	FM	98.0	FM	98.0
2	FM	108.0	FM	108.0	FM	108.0
3	AM	630	AM	630	AM	630
4	AM	990	AM	990	AM	990
5	AM	1440	AM	1440	AM	1440
6	AM	1610	AM	1610	AM	1602
7	AM	1700	FM	87.5	FM	87.5
8	FM	87.5	FM	87.5	FM	87.5
9	FM	87.5	FM	87.5	FM	87.5
10	FM	89.1	FM	89.1	FM	89.1
11	FM	87.5	FM	87.5	FM	87.5
12	FM	90.0	FM	90.0	FM	90.0
13	FM	106.0	FM	106.0	FM	106.0
14	AM	530	AM	530	AM	531
15	FM	87.5	FM	87.5	FM	87.5
16	FM	87.5	FM	87.5	FM	87.5
17	FM	87.5	FM	87.5	FM	87.5
18	FM	87.5	FM	87.5	FM	87.5
19	FM	87.5	FM	87.5	FM	87.5
20	FM	87.5	FM	87.5	FM	87.5

(1) Setting method

- Plug the power cord an AC outlet while depressing POWER key.

(2) Contents

- All function are initialized (including test mode).

CIRCUIT DESCRIPTION

⑥ Condition according to the destination and model

Switch name refer to KEY MATRIX on page 6.

[TUNER]

DSW2	DSW1 D21(MY) D22(X)	DSW0 D23	Destination	BAND	Receiving Remarks	Channel space	IF	Reference Frequency
×	×	×	K1	FM	87.50~108.00 MHz	100 kHz	+ 10.7 MHz	25 kHz
				AM	530~1700 kHz	10kHz	+ 450 kHz	10 kHz
×	×	●	K2	FM	87.50~108.00 MHz	100 kHz	+ 10.7 MHz	25 kHz
				AM	530~1610 kHz	10 kHz	+ 450 kHz	10 kHz
×	●	●	E1	FM	87.50~108.00 MHz	50 kHz	+ 10.7 MHz	25 kHz
				AM	531~1602kHz	9 kHz	+ 450 kHz	9 kHz
●	×	●	Prohibition (MType use by switching K2 and E2.)					
●	●	×						
●	●	●						

Note : ● = With DIODE
 × = Without DIODE

[AMP]

MODEL	DSW5	DSW4 D10	DSW3 D3	Amp function
KR-594	×	×	●	
KR-794	×	●	●	PRO LOGIC/ 3STEREO

● = With DIODE
 × = Without DIODE

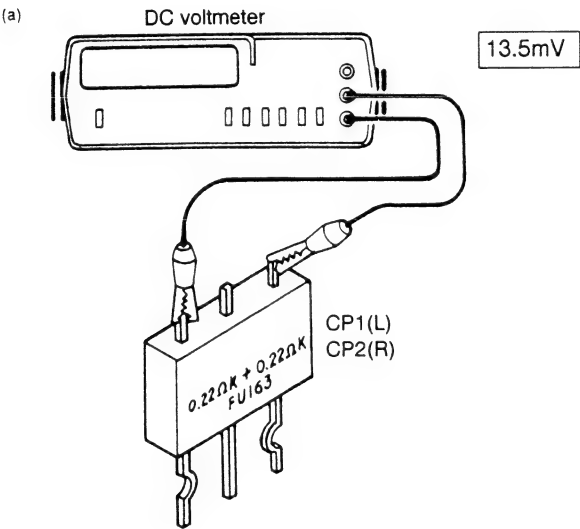
DSW3 : Receiver / Amp
 DSW4 : With/ Without Surround

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ADJUSTMENT

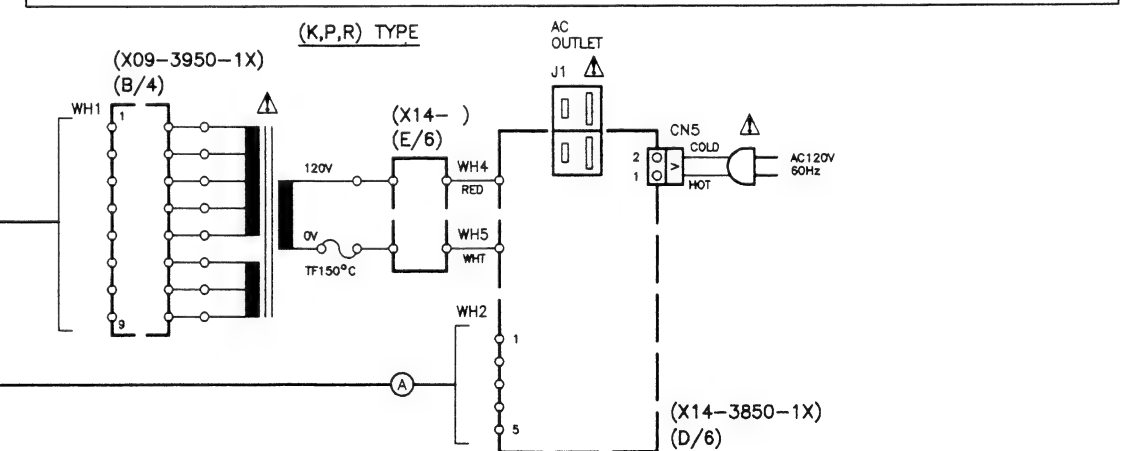
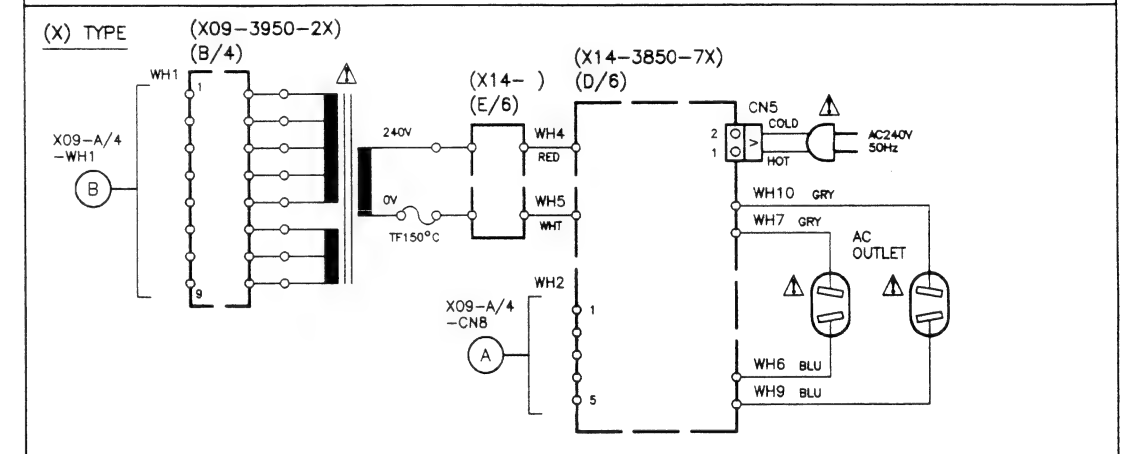
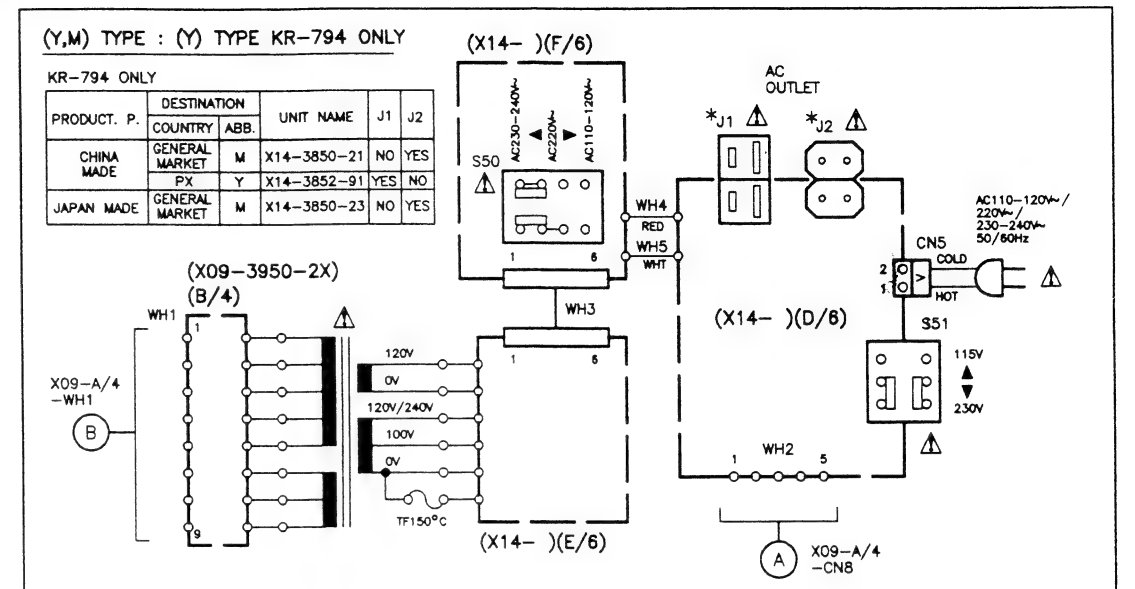
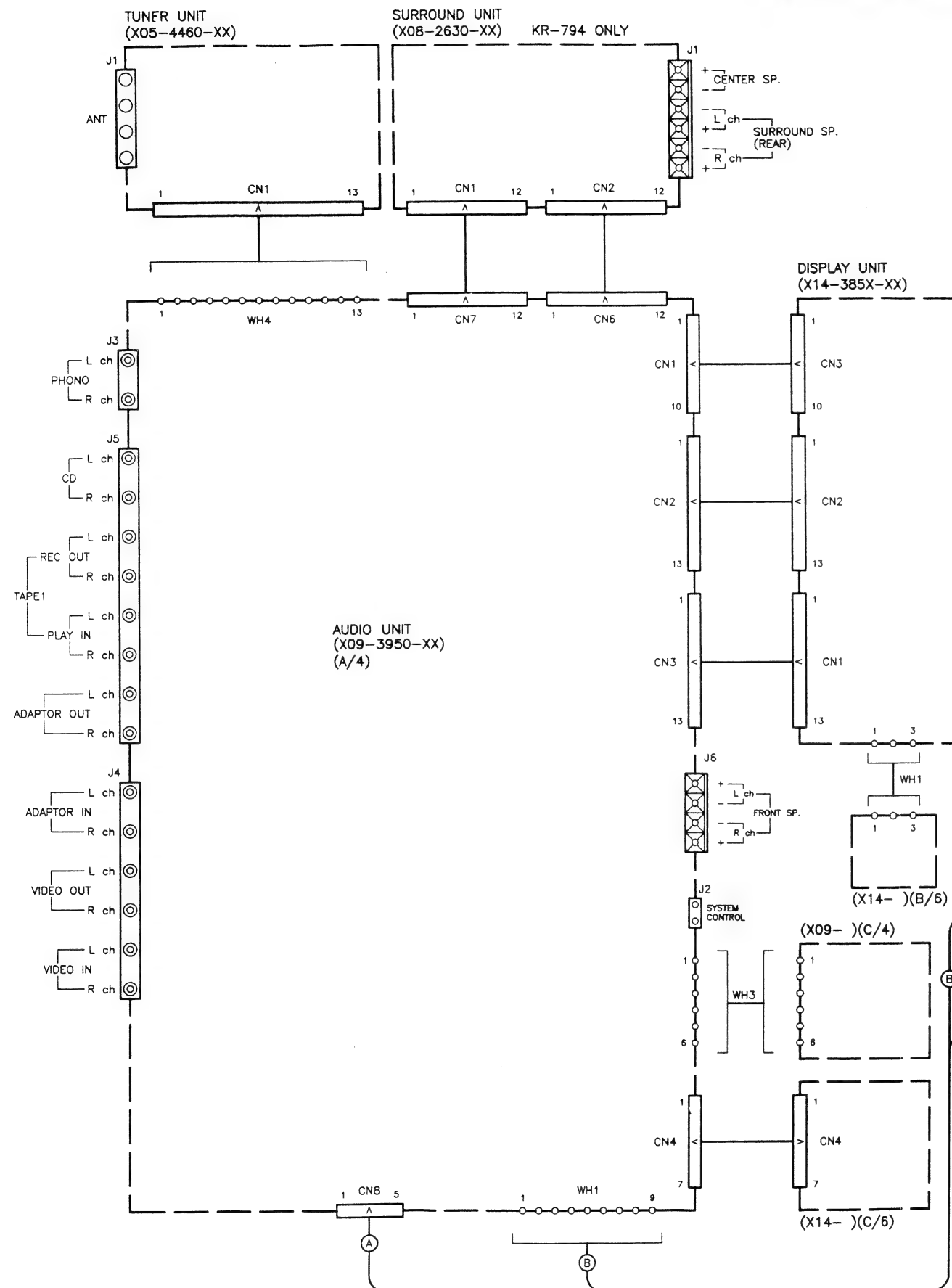
ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, set the respective switches as follows : POWER : ON SELECTOR : PHONO							
1	IDLE CURRENT	-	Connect a DC voltmeter across CP1(L) CP2(R) (X09-)	Volume:0	VR1 (L) VR 2 (R) (X09-)	13.5mV	(a)



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WIRING DIAGRAM

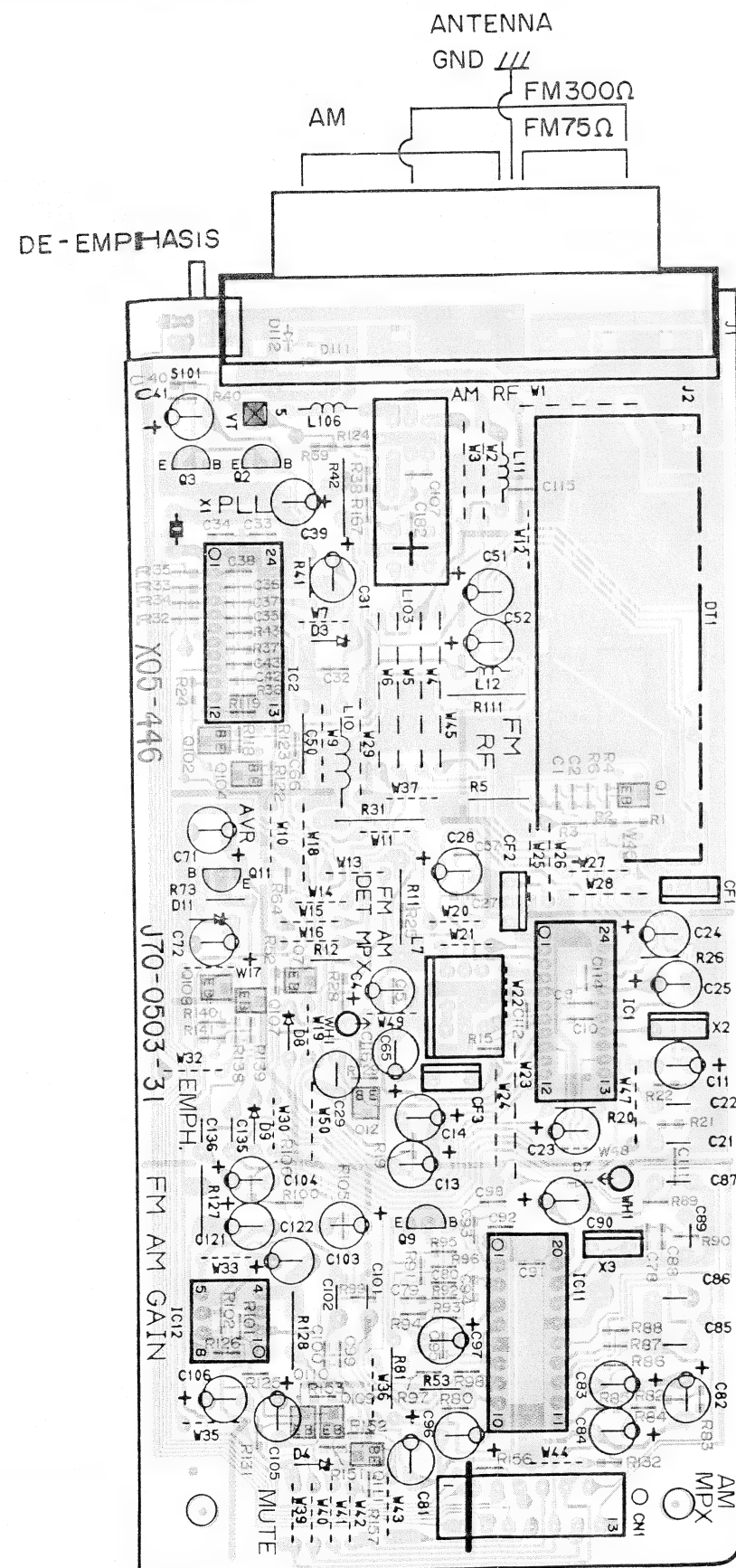


MODEL NAME	PRODUCT. P.	DESTINATION COUNTRY	ABB.	TUNER UNIT	AUDIO UNIT	DISPLAY UNIT
KR-594	CHINA MADE	U.S.A.	K	X05-4460-12	X09-3950-11	X14-3850-11
		CANADA	P	X05-4460-12	X09-3950-11	X14-3850-11
		MEXICO	R	X05-4460-12	X09-3950-11	X14-3850-11
	JAPAN MADE	U.S.A.	K	X05-4460-22	X09-3950-22	X14-3850-22
		U.S.A.	X	X05-4460-72	X09-3950-22	X14-3850-72
		MEXICO	R	X05-4420-11	X09-3950-13	X14-3850-13
KR-794	CHINA MADE	U.S.A.	K	X05-4460-22	X09-3950-22	X14-3850-22
		CANADA	P	X05-4460-22	X09-3950-22	X14-3850-22
		MEXICO	R	X05-4460-22	X09-3950-22	X14-3850-22
	JAPAN MADE	U.S.A.	K	X05-4460-22	X09-3950-22	X14-3850-22
		U.S.A.	X	X05-4460-72	X09-3950-22	X14-3850-72
		MEXICO	R	X05-4420-11	X09-3950-12	X14-3850-12

MODEL NAME	PRODUCT. P.	DESTINATION COUNTRY	ABB.	TUNER UNIT	AUDIO UNIT	DISPLAY UNIT	SURROUND UNIT
KR-794	CHINA MADE	U.S.A.	K	X05-4460-12	X09-3950-10	X14-3850-10	X08-2630-10
		CANADA	P	X05-4460-12	X09-3950-10	X14-3850-10	
		MEXICO	R	X05-4460-12	X09-3950-10	X14-3850-10	
	JAPAN MADE	U.S.A.	K	X05-4460-22	X09-3950-21	X14-3850-21	X08-2630-11
		U.S.A.	X	X05-4460-72	X09-3950-21	X14-3850-71	
		MEXICO	R	X05-4420-11	X09-3950-12	X14-3850-12	

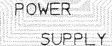
PC BOARD (Component side view)

TUNER UNIT(X05-4460-XX)



4. *Principles of the Law of Evidence*

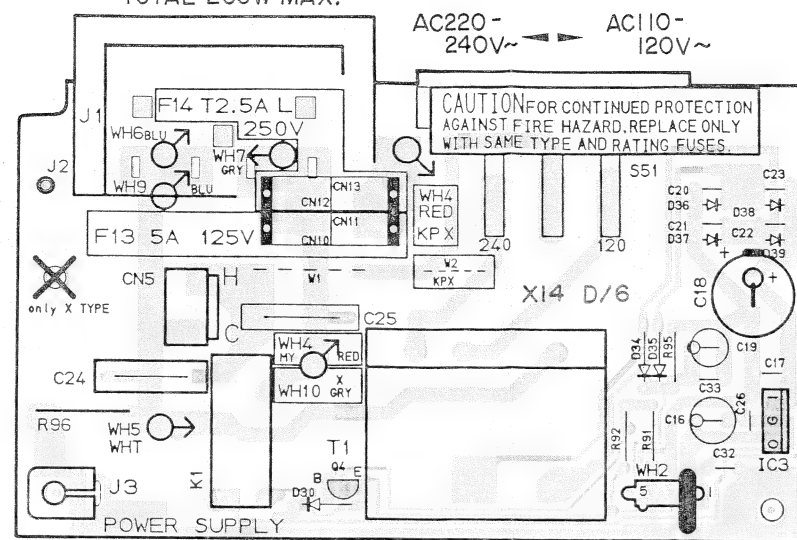
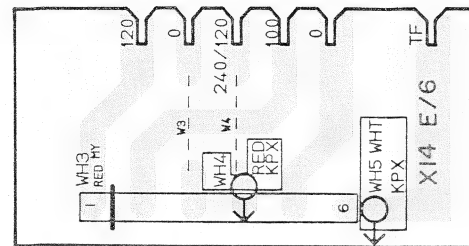
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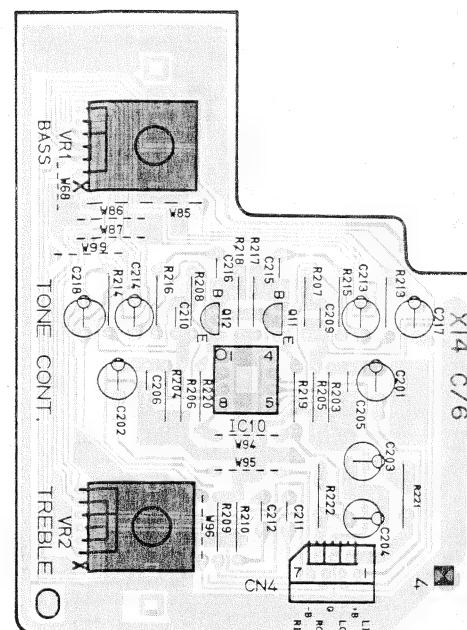
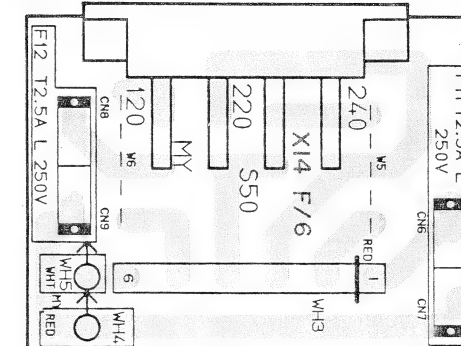
PC BOARD (Component side view)

DISPLAY UNIT(X14-385X-XX)

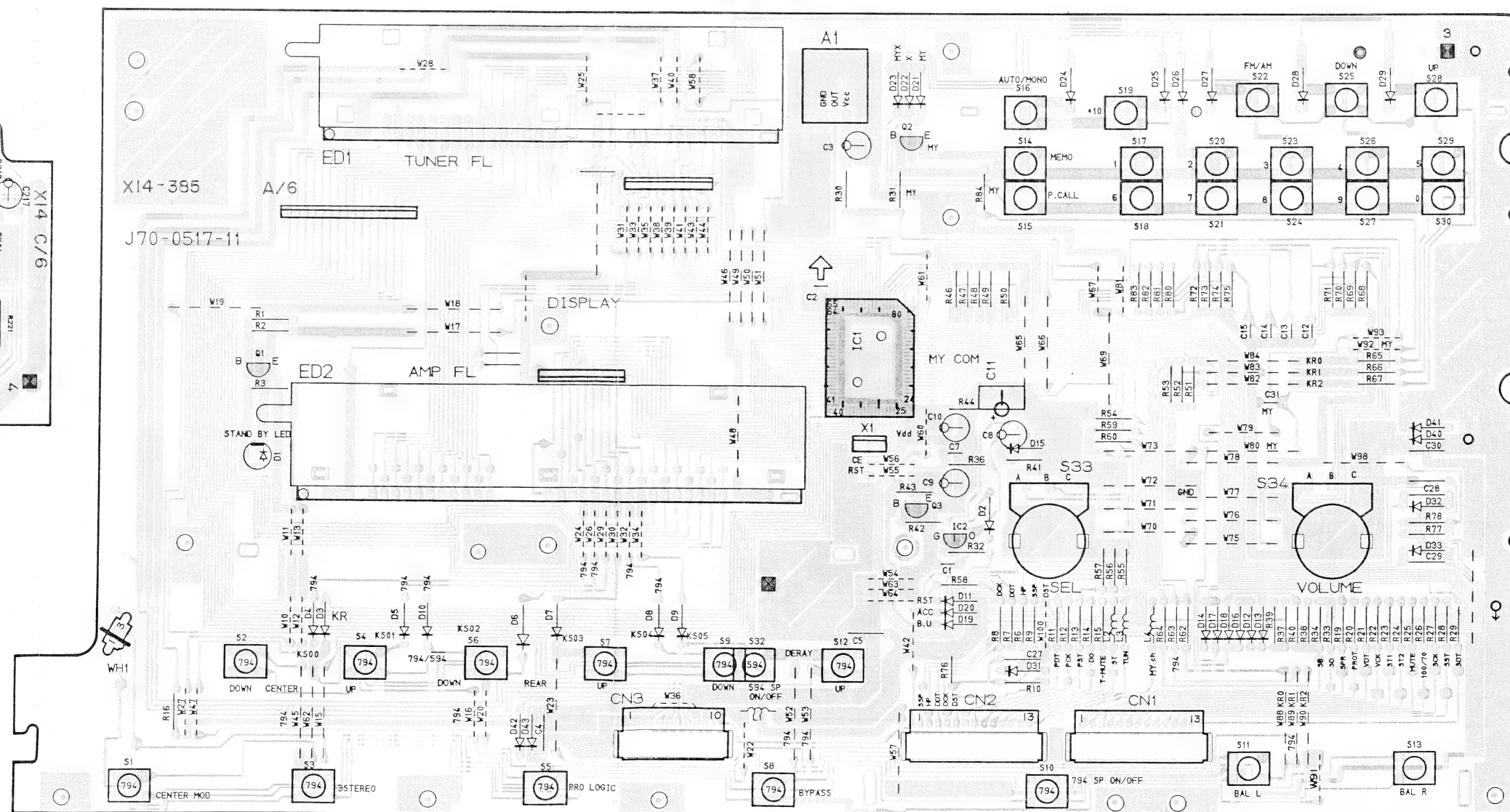
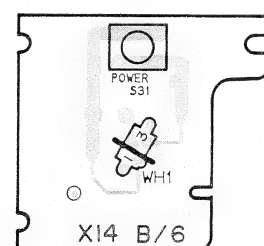
AC110-120V~/220V~/230-240V~
50/60Hz
SWITCHED
TOTAL 200W MAX.

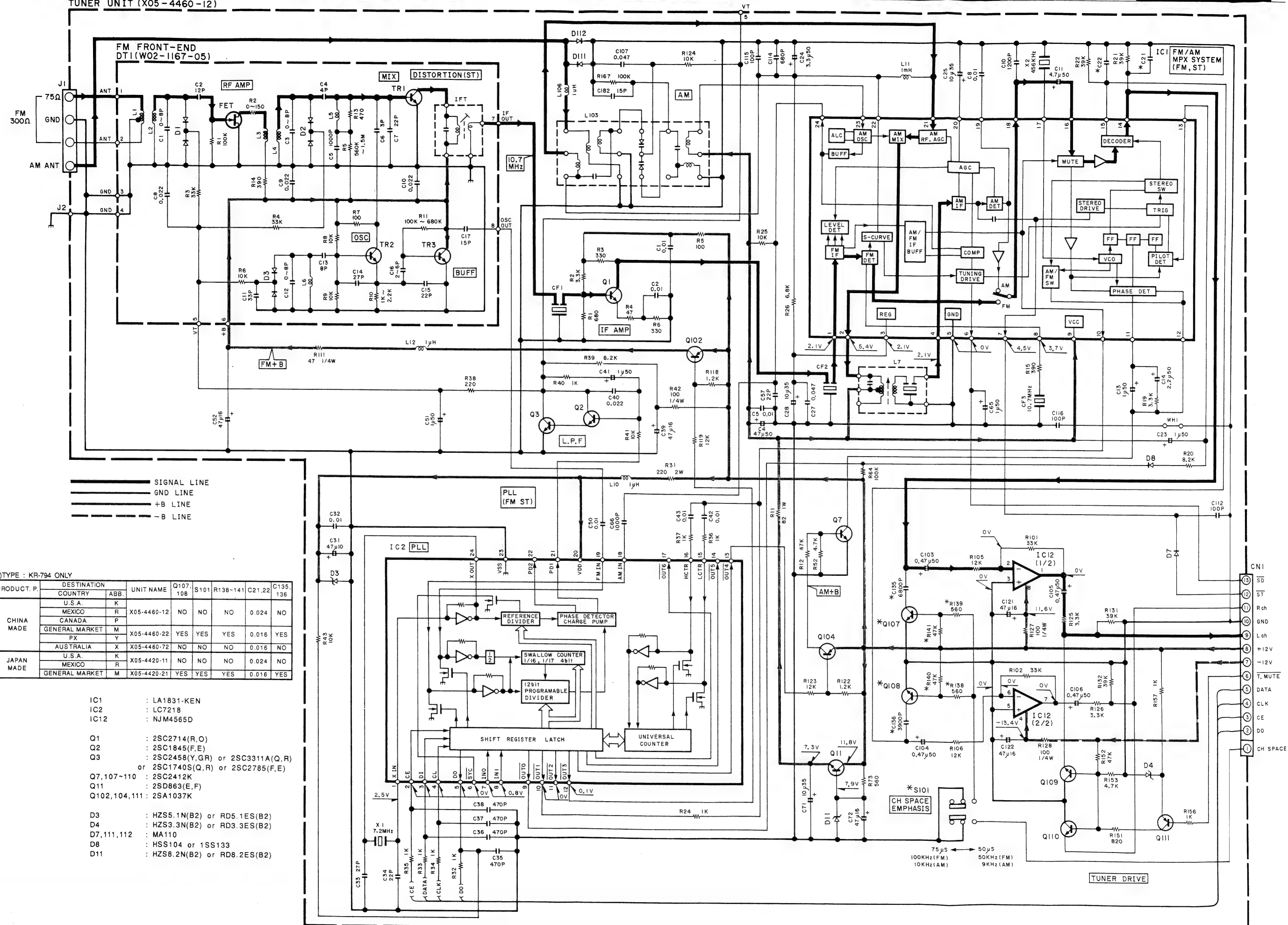


AC220V~
AC230-240V~ | AC110-120V~



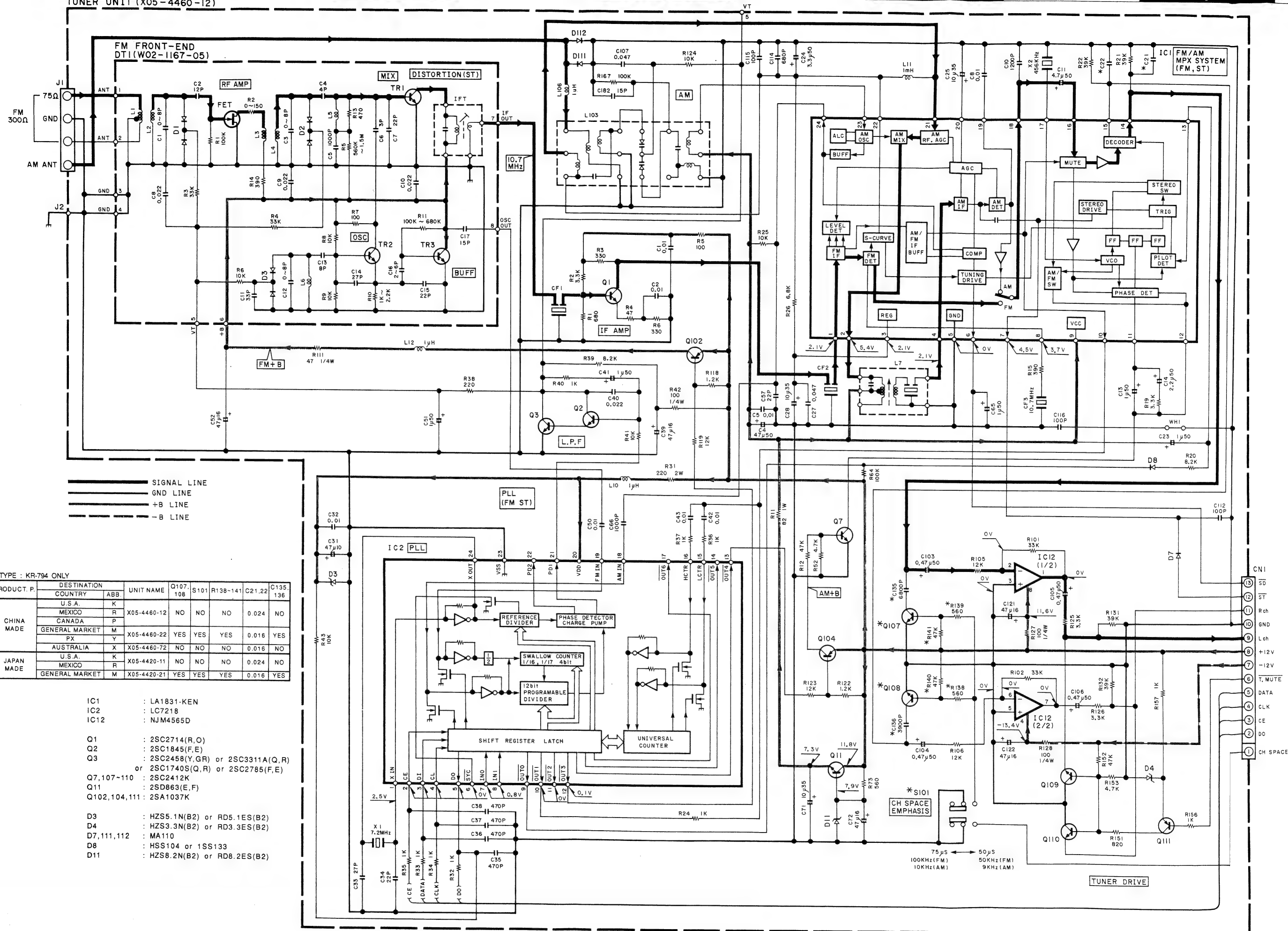
FRONT

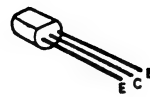




(Y)TYPE : KR-794 ONLY

PRODUCT P.	DESTINATION COUNTRY	ABB.	UNIT NAME	Q107.108	S101	R138-141	C21.22	C135.136
CHINA MADE	U.S.A.	K	X05-4460-12	NO	NO	NO	0.024	NO
	MEXICO	R						
	CANADA	P						
	GENERAL MARKET	M						
	PX	Y						
JAPAN MADE	AUSTRALIA	X	X05-4460-72	NO	NO	NO	0.016	NO
	U.S.A.	K	X05-4420-11	NO	NO	NO	0.024	NO
	MEXICO	R						
	GENERAL MARKET	M	X05-4420-21	YES	YES	YES	0.016	YES

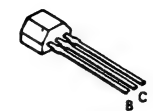




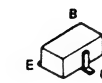
2SA1123
2SA992
2SC1845
2SC2003
2SC2631
2SC2878
2SD863



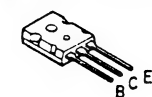
2SC2785



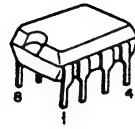
2SA1048
2SC1740S
2SC2458



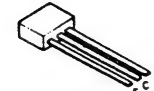
2SA1037K
2SC2412K
2SC2714



2SB1470BT
2SD2222BT



2SB1370
2SD2061



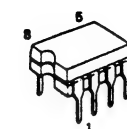
2SA1309A
2SC3311A



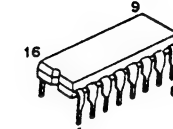
2SB1375
2SD2012



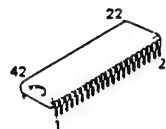
NJM4565D
NJM4565D-D



TC9213P
TC9215P



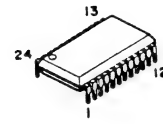
NJM4580D-D



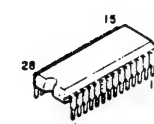
LA2785



UPC7812AHF



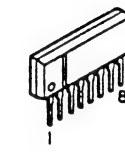
LA1831-KEN



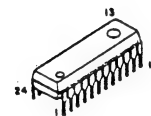
TC9164N



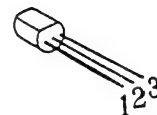
AN780575F
TA7812S



NJM4565L-D



LC7218
LV1010



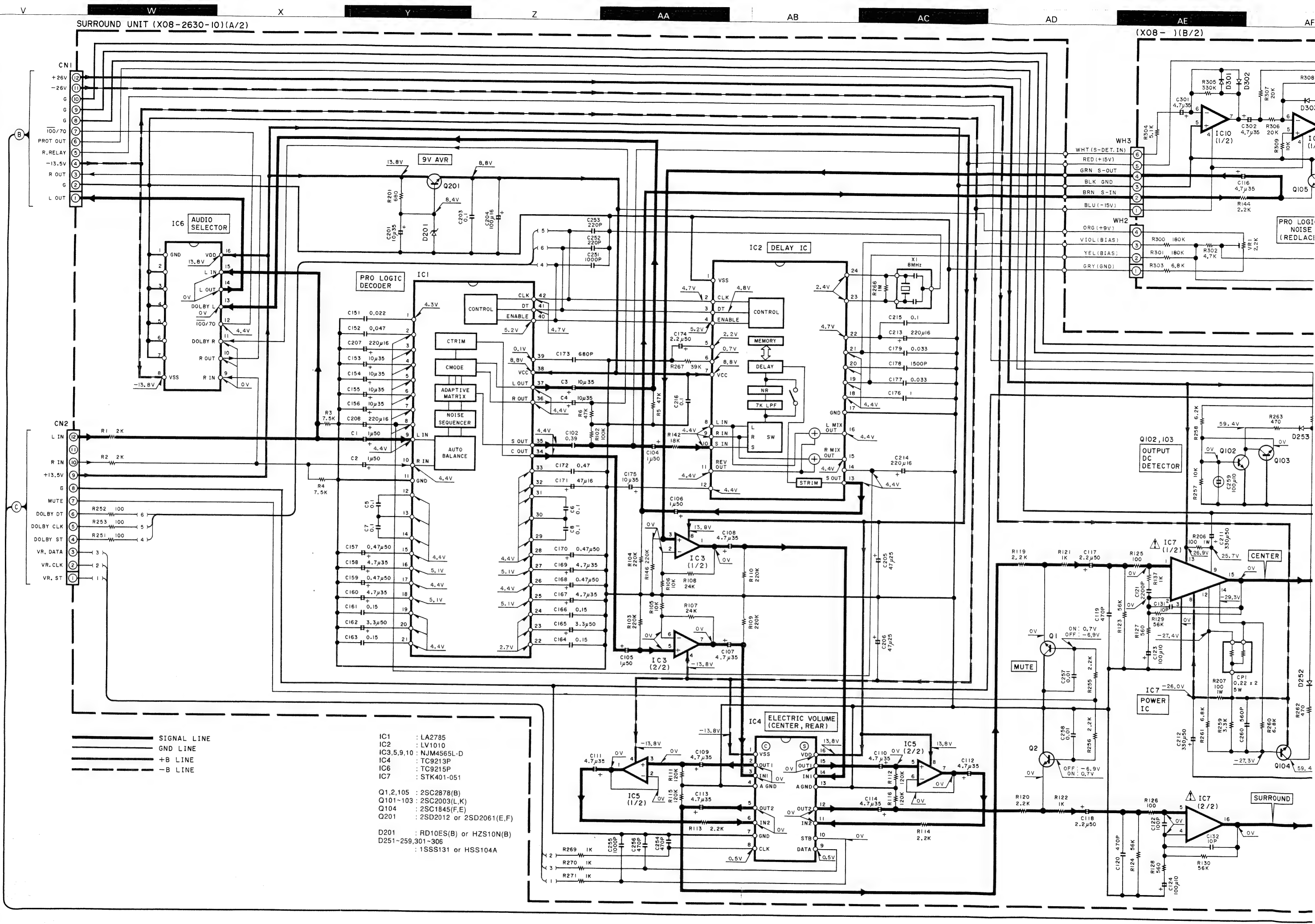
S-80740AL

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list) Δ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

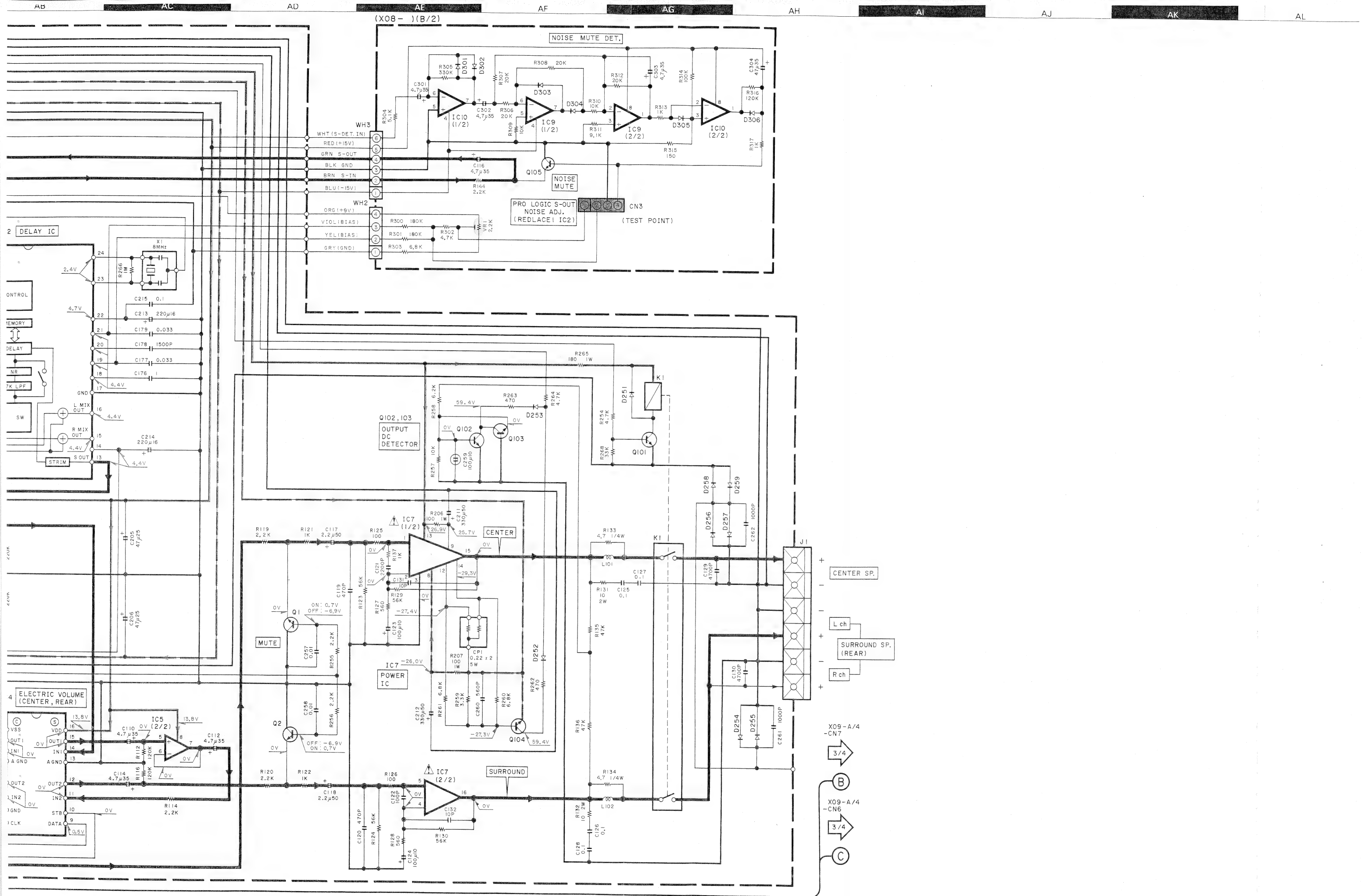


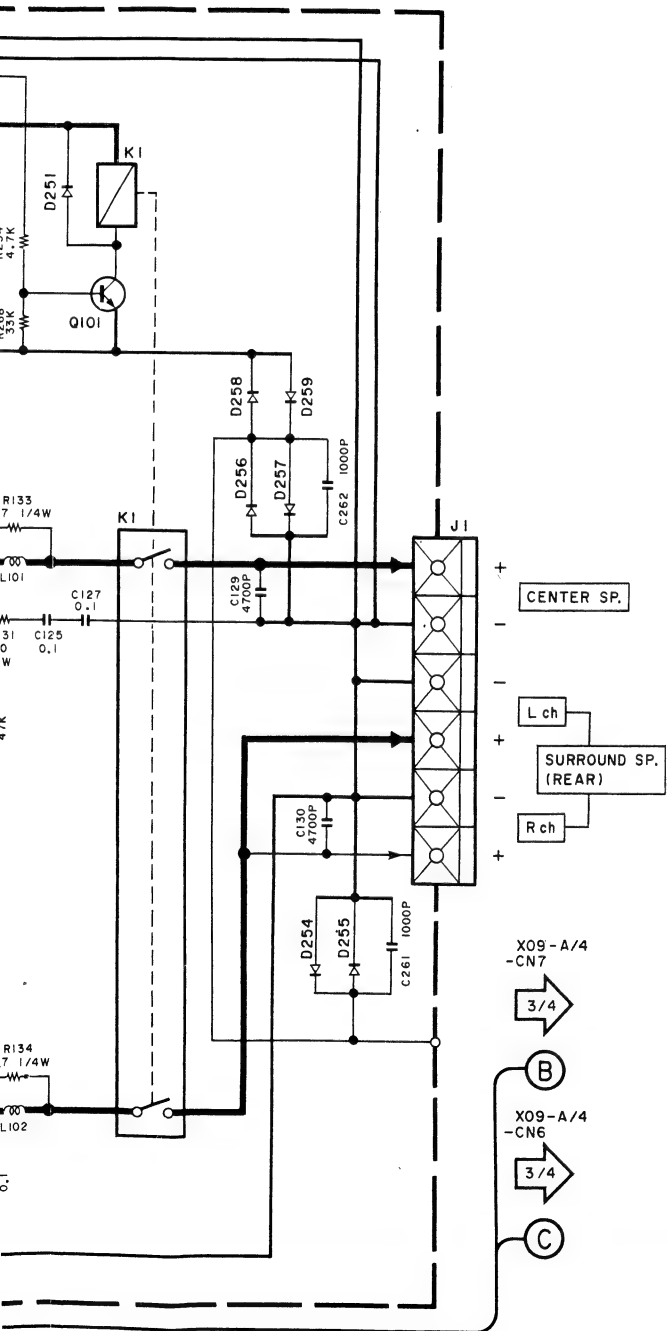
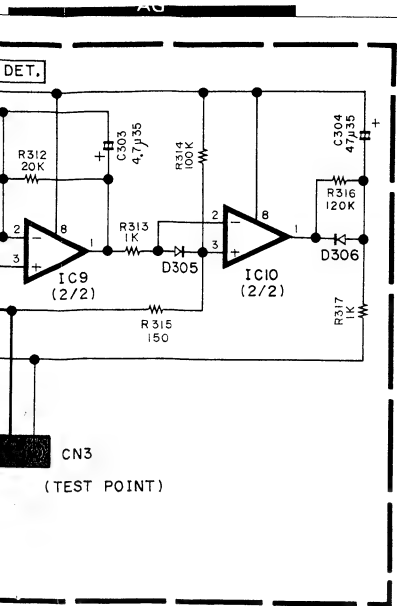
— SIGNAL LINE
--- GND LINE
... +B LINE
... -B LINE

IC1 : LA2785
IC2 : LV1010
IC3,5,9,10 : NJM4565L-D
IC4 : TC9213P
IC6 : TC9215P
IC7 : STK401-051

Q1,2,105 : 2SC2878(B)
Q101~103 : 2SC2003(L,K)
Q104 : 2SC1845(F,E)
Q201 : 2SD2012 or 2SD2061(E,F)

D201 : RD10ES(B) or HZS10N(B)
D251~259,301~306 : 1SSS131 or HSS104A





DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

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Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U.geringfügig.

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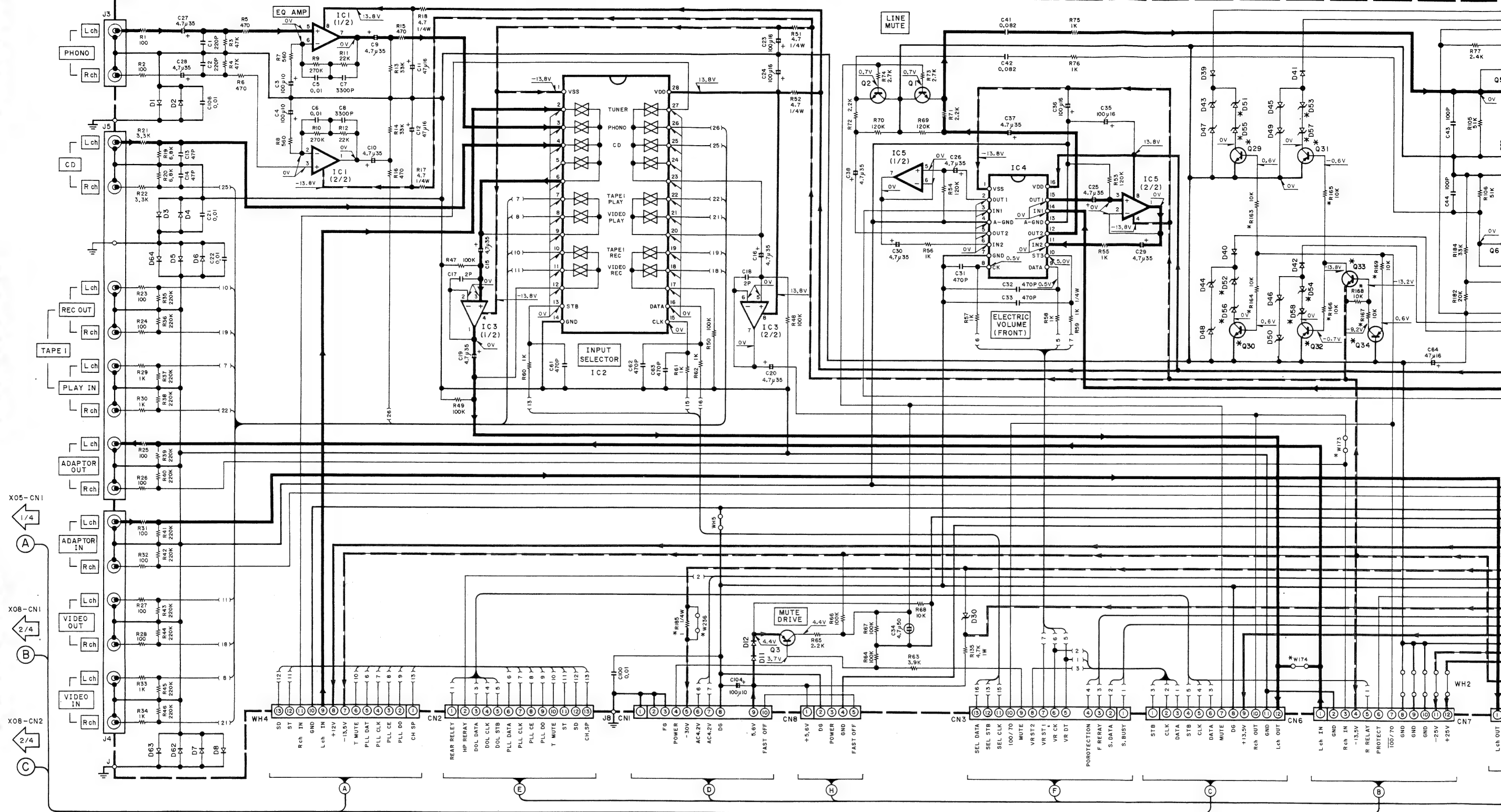
2/4

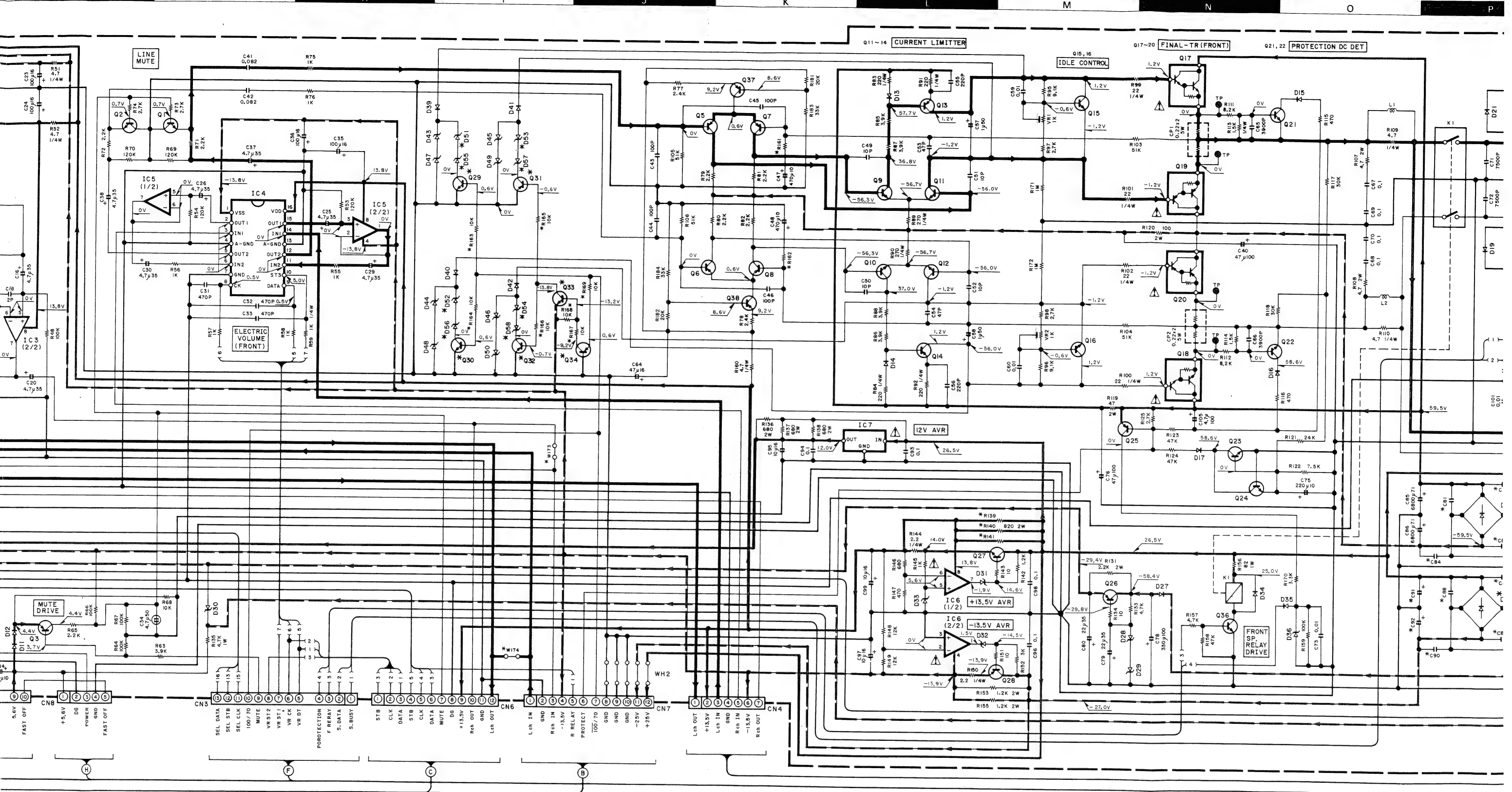
KR-594/794

KENWOOD

Y05-2860-10

AUDIO UNIT
(X09-3950-10)(A/4)

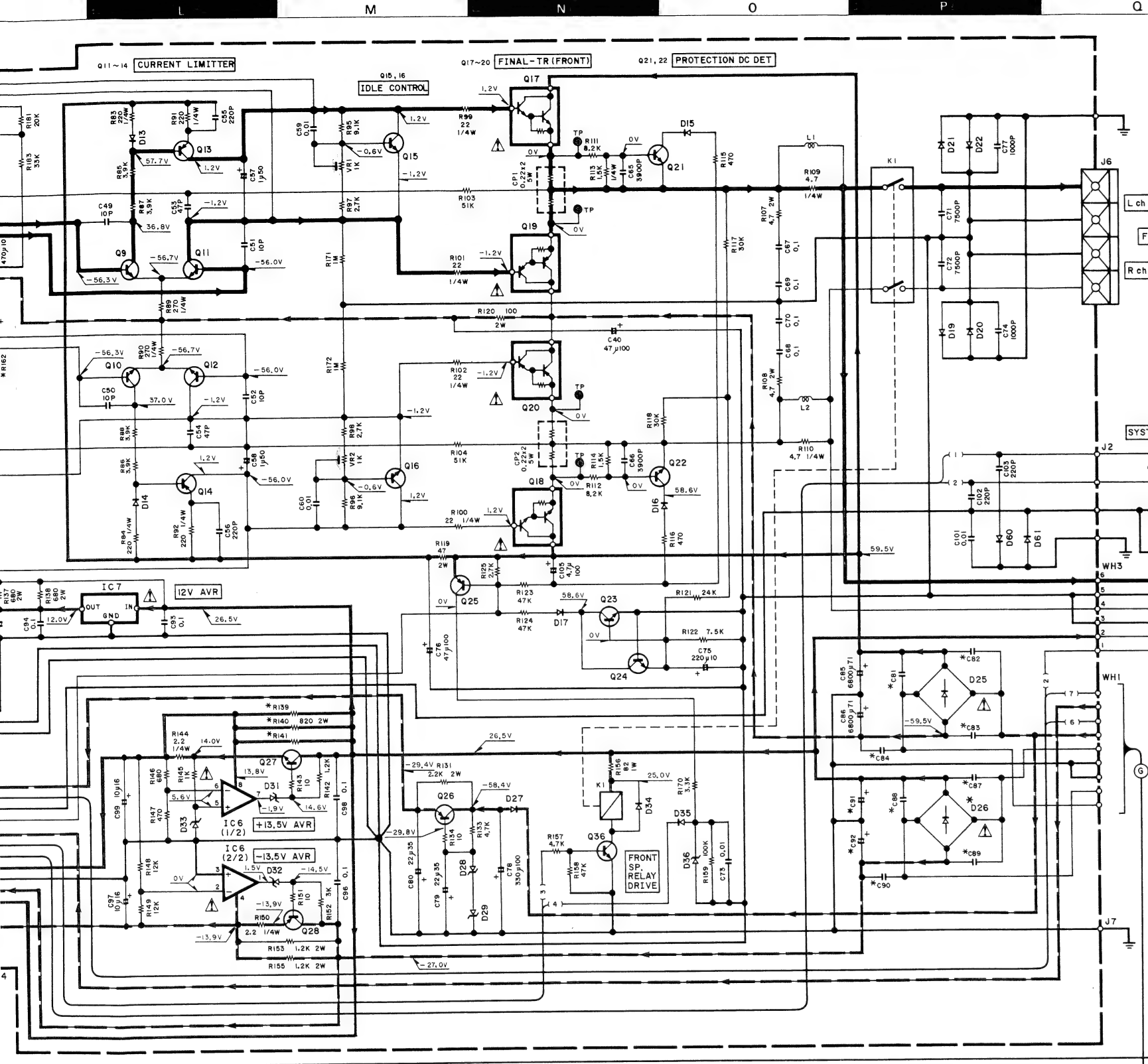




DC voltages are as
ance voltmeter. Va
variations between
units.

Les tensions c.c. d
voltmètre à haute in
différent légèrement
tes aux appareils e
individuels.

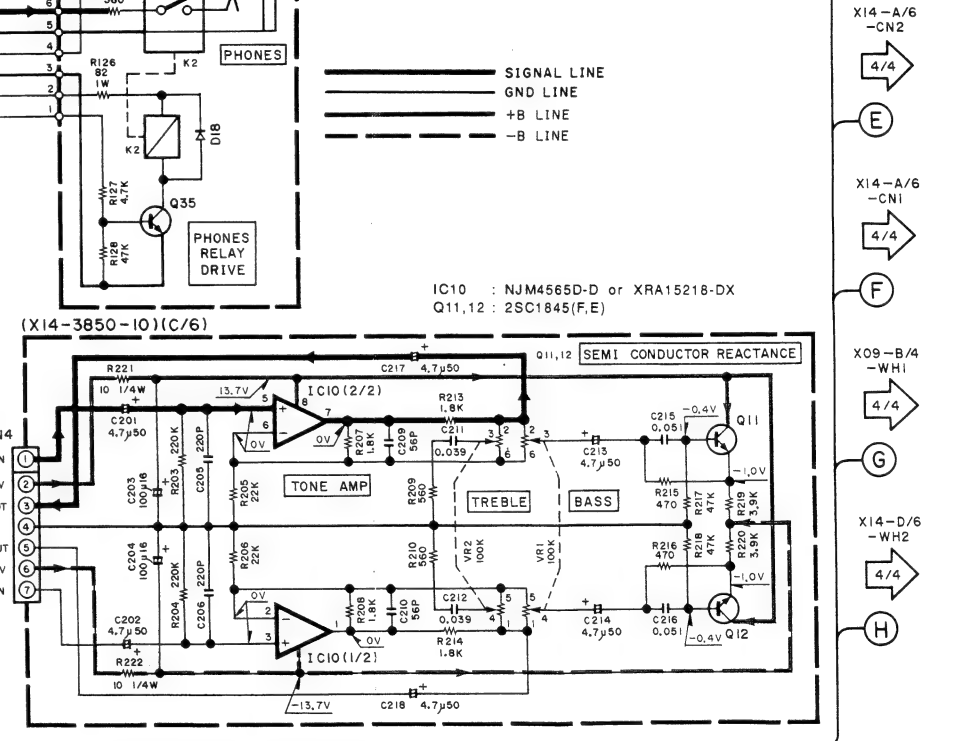
Die angegebenen (c
mit einem hochohm
messen. Dabei schv
von Unterschieden
ten oder Geräten u.



PRODUCT. P.	DESTINATION		UNIT NAME	C81-84,87-90	R185	W236	C91,92	R139,141	R140	R161,162	R163,169	W173,174	D26	D51-58	Q29-34
	COUNTRY	ABB.													
CHINA MADE	U.S.A.	K	X09-3950-11	CK45FE2H103P	YES	NO									
	MEXICO	R													
	CANADA	P													
	GENERAL MARKET	M	X09-3950-22	C91-1480-05	NO	YES	1000µ35	1.2K 2W	NO	300	NO	YES	D5SBA20F03 or RBV-602LFA	NO	NO
JAPAN MADE	U.S.A.	K	X09-3950-13	CK45FE2H103P	YES	NO									
	MEXICO	R													
	GENERAL MARKET	M	X09-3950-24	C91-1480-05	NO	YES									

PRODUCT. P.	DESTINATION		UNIT NAME	C81-84,87-90	R185	W236	C91,92	R139,141	R140	R161,162	R163,169	W173,174	D26	D51-58	Q29-34
	COUNTRY	ABB.													
CHINA MADE	U.S.A.	K	X09-3950-10	CK45FE2H103P	YES	NO									
	MEXICO	R													
	CANADA	P													
	GENERAL MARKET	M	X09-3950-21	C91-1480-05	NO	YES	3300µ35	820 2W	YES	220	YES	NO	D5SBA20F03 or RBV-602LFA	YES	YES
JAPAN MADE	U.S.A.	K	X09-3950-12	CK45FE2H103P	YES	NO									
	MEXICO	R													
	GENERAL MARKET	M	X09-3950-23	C91-1480-05	NO	YES									

- D1-8,11-22,34,35,39-42,60-64 : HSS104A or 1SS131
D25 : D5SBA20F03 or RBV-602LFA
D26 : *
D27 : S5688B or 1SR139-100
D28,29 : HZS15N(B) or RD15ES(B)
D30 : HZS6.2N(B2) or RD6.2ES(B2)
D31,32 : HZS16N(B2) or RD16ES(B2)
D33 : HZS5.6N(B2) or RD5.6ES(B2)
D36 : HZS4.7N(B2) or RD4.7ES(B2)
D43-46 : HZS22N(B2) or RD22ES(B2)
D47-50 : HZS24N(B2) or RD24ES(B2)
D51-54 : HZS18N(B2) or RD18ES(B2)
D55-58 : HZS20N(B2) or RD20ES(B2)
- Q1,2 : 2SC2878(B)
Q3,34,37,38 : 2SA1048(Y,GR) or 2SA1309A(Q,R)
Q5-8,31,32 : 2SA992(F,E)
Q9-12 : 2SC2632(R,S)
Q13,14,25 : 2SA1123(R,S)
Q15,16 : 2SC4137F19(V,W)
Q17,18 : 2SD2222BT
Q19,20 : 2SB1470BT
Q21,22 : 2SC2631(R,S)
Q23,24,35,36 : 2SC2003(L,K)
Q26,28 : 2SB1370 or 2SB1375
Q27 : 2SD2012 or 2SD2061
Q29,30 : 2SC1845(F,E)
Q33 : 2SC2458(Y,GR) or 2SC3311A(Q,R)
- IC1,3,5 : NJM4565D-D or XRA15218-DX
IC2 : TC9164N
IC4 : TC9213P
IC6 : NJM4580D-D
IC7 : TA7812S or µPC7812AHF

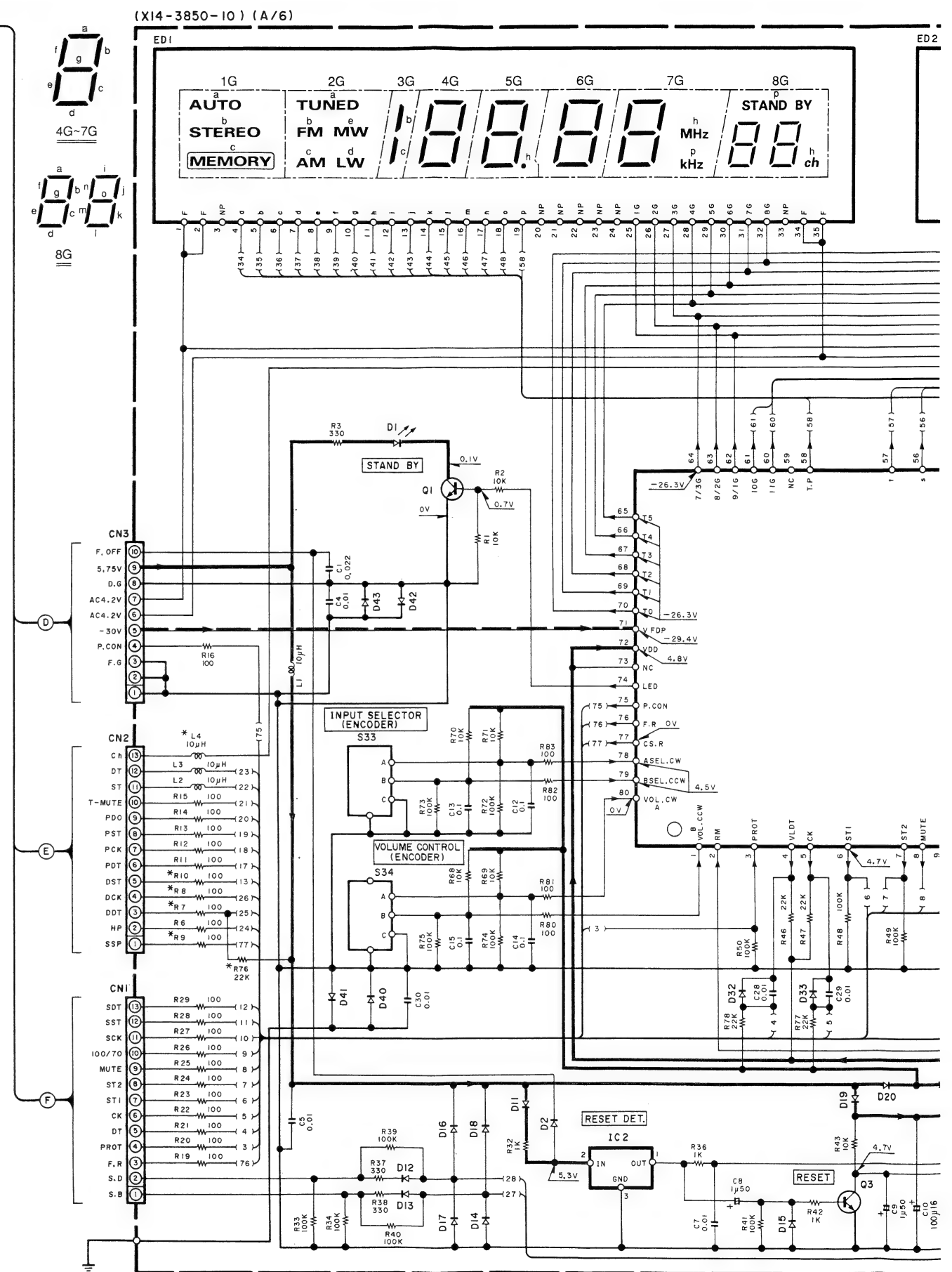
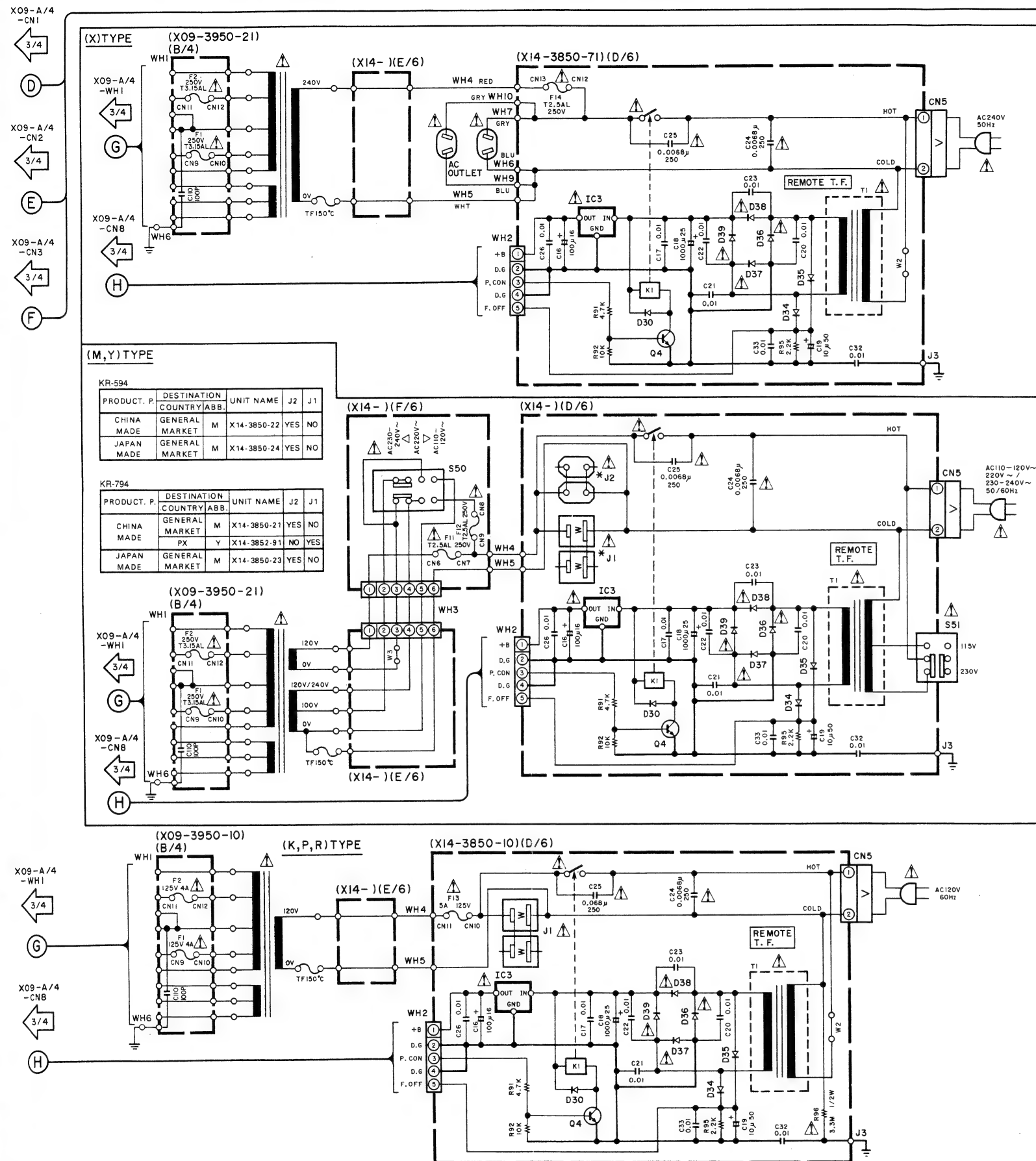


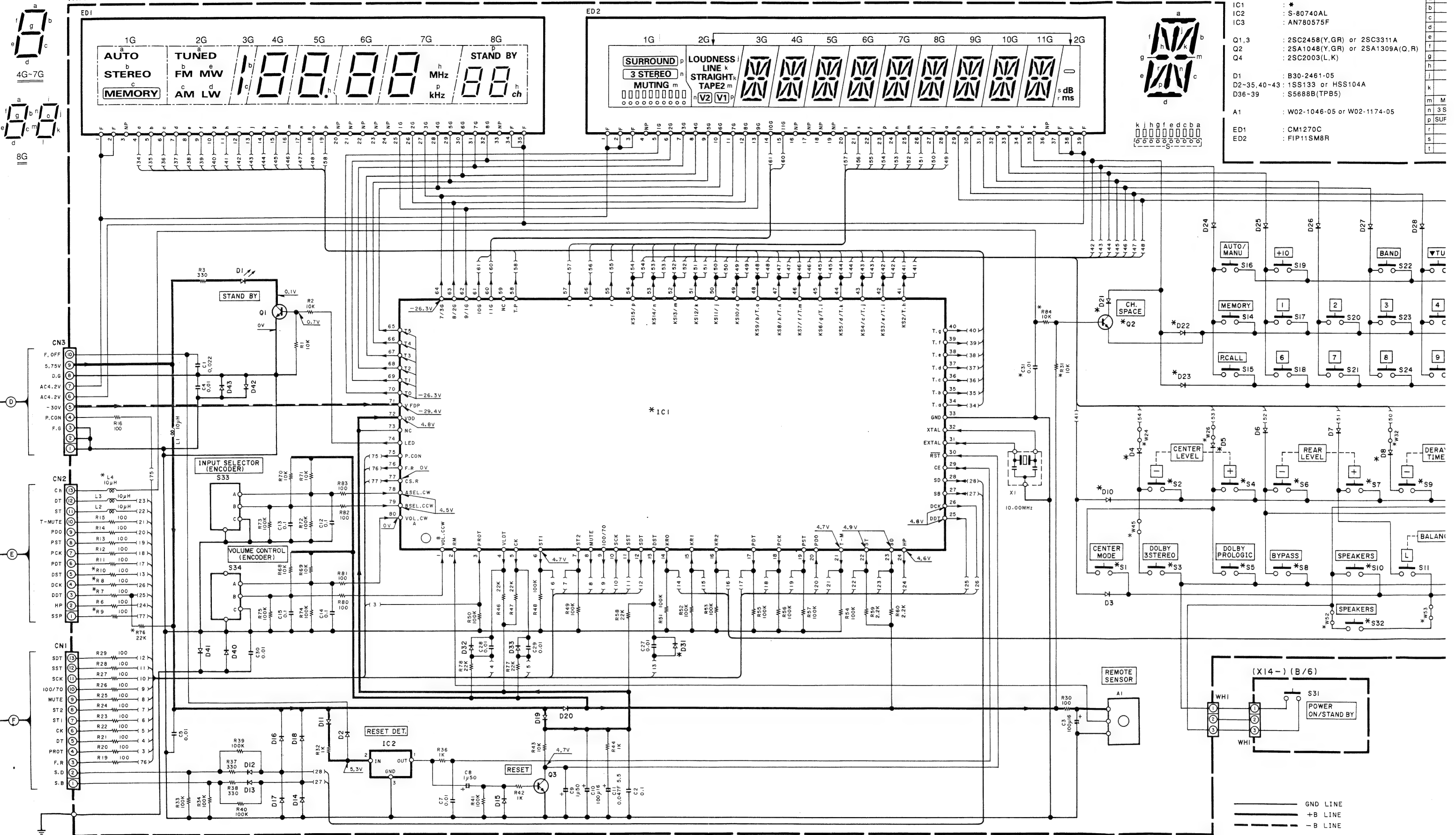
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

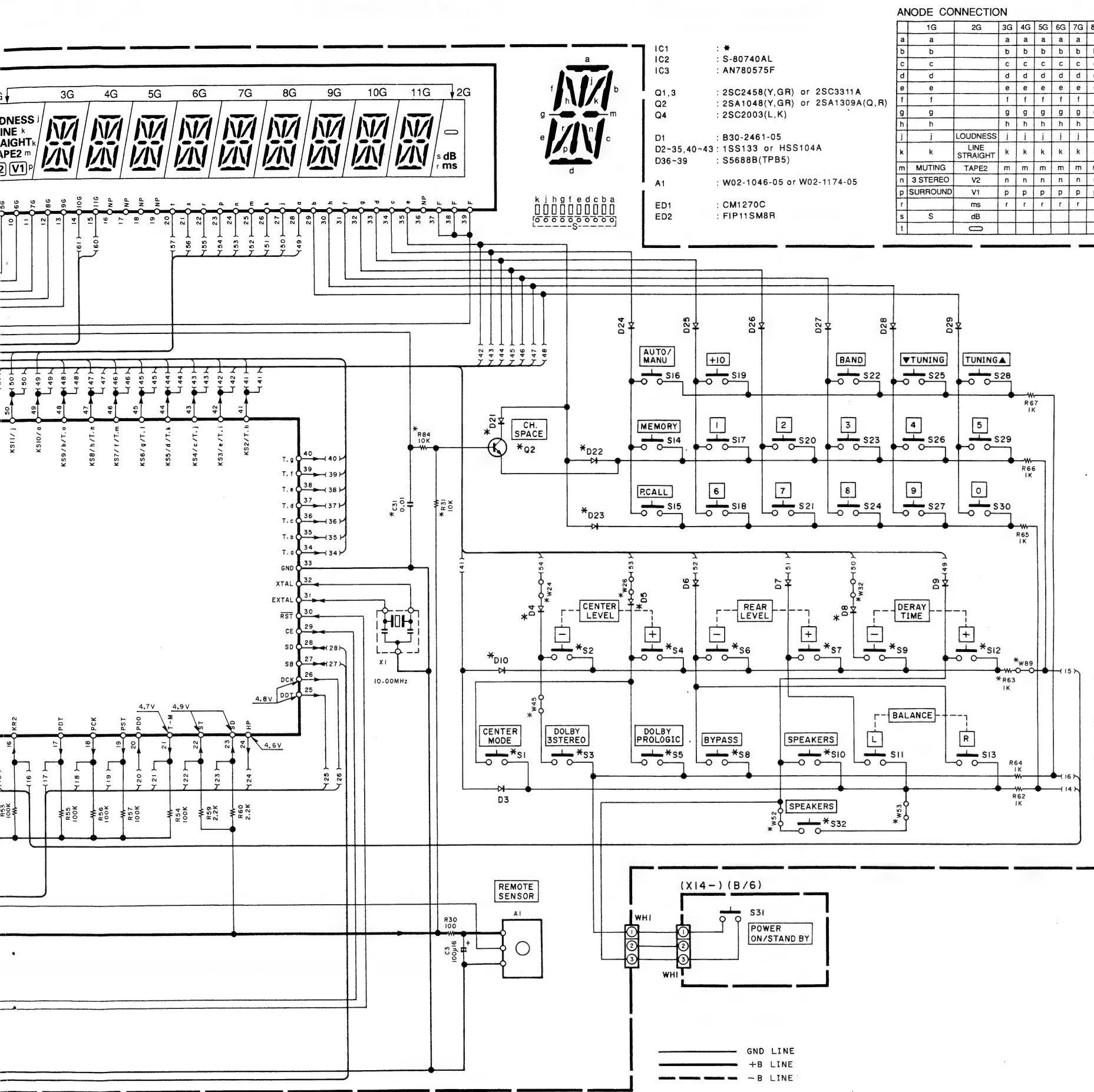
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PRODUCT P.	DESTINATION COUNTRY	ABB.	UNIT NAME	Q2	D21	D22	D23	L4	C31	D4,5,8,84	C27	W24,26,63,76	W52,32,45,89	S1-10,53	IC1
CHINA MADE	U.S.A.	K	X14-3850-11	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES
	MEXICO	R	X14-3850-22	YES	YES	NO	YES	YES	YES	YES	NO	NO	NO	NO	YES
	CANADA	P	X14-3850-72	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES
	GENERAL MARKET	M	X14-3850-13	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES
JAPAN MADE	U.S.A.	K	X14-3850-13	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES
	MEXICO	R	X14-3850-24	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
	GENERAL MARKET	M	X14-3850-24	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES

PRODUCT P.	DESTINATION COUNTRY	ABB.	UNIT NAME	Q2	D21	D22	D23	L4	C31	D4,5,8,84	C27	W24,26,63,76	W52,32,45,89	S1-10,53	IC1
CHINA MADE	U.S.A.	K	X14-3850-10	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES
	MEXICO	R	X14-3850-21	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
	CANADA	P	X14-3850-71	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	NO	YES
	GENERAL MARKET	M	X14-3852-81	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
JAPAN MADE	U.S.A.	K	X14-3850-12	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES
	MEXICO	R	X14-3850-23	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
	GENERAL MARKET	M	X14-3850-23	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES

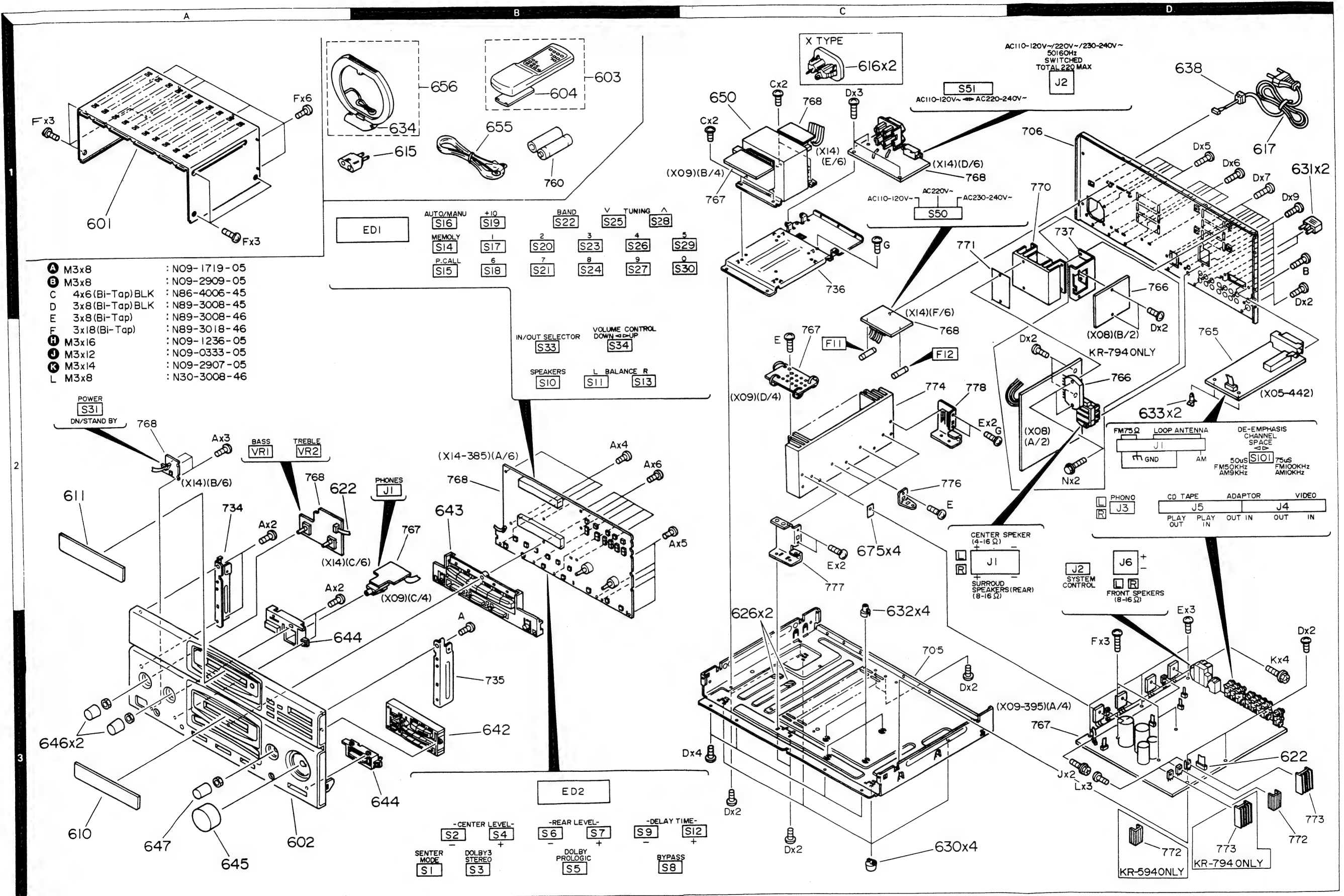
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KR-594/794 KR-594/794
EXPLODED VIEW (UNIT)



* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnés dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕	Re- marks 備考
No.1					
KR-594					
601	1A	* A01-3107-11	METALLIC CABINET		
602	3A	* A60-0545-01	PANEL		
603	1B	* A70-0975-05	REMOTE CONTROLLER ASSY		
604	1B	* A09-0170-08	BATTERY COVER		
610	3A	* B03-2894-13	DRESSING PLATE	K	H
611	2A	* B03-2895-13	DRESSING PLATE	X	H
-	-	* B46-0092-33	WARRANTY CARD	P	
-	-	* B46-0096-43	WARRANTY CARD		
-	-	* B46-0121-33	WARRANTY CARD		
-	-	* B58-0964-03	CAUTION CARD	KR	
-	-	* B58-0965-03	CAUTION CARD	PX	
-	-	* B58-0966-03	CAUTION CARD	M	
-	-	* B58-0970-03	CAUTION CARD	R	
-	-	* B60-1518-00	INSTRUCTION MANUAL(ENGLISH)		
-	-	* B60-1519-00	INSTRUCTION MANUAL(FRENCH)	P	H
-	-	* B60-1520-00	INSTRUCTION MANUAL(CHINESE)	M	
-	-	* B60-1521-00	INSTRUCTION MANUAL(SPANISH)	MR	
615	1B	* E03-0115-05	AC PLUG ADAPTER	M	
616	1C	* E03-0141-05	AC OUTLET	X	
617	1D	* E30-2592-15	AC POWER CORD	M	
617	1D	* E30-2650-05	AC POWER CORD	KPR	
617	1D	* E30-2717-05	AC POWER CORD	X	
622	2A, 3D	* E35-0765-05	FLAT CABLE		
626	3C	* G11-2186-04	CUSHION		
-	-	* H10-5698-02	POLYSTYRENE FOAMED FIXTURE		H
-	-	* H10-5699-02	POLYSTYRENE FOAMED FIXTURE		H
-	-	* H10-5726-02	POLYSTYRENE FOAMED FIXTURE		J
-	-	* H10-5727-02	POLYSTYRENE FOAMED FIXTURE		J
-	-	* H13-0153-04	CARTON BOARD	X	H
-	-	* H25-0232-04	PROTECTION BAG (235X350X0.03)		
-	-	* H25-1517-04	PROTECTION BAG		
-	-	* H50-0968-04	ITEM CARTON CASE	KPR	
-	-	* H50-0969-04	ITEM CARTON CASE	M	
-	-	* H50-0989-04	ITEM CARTON CASE		
630	3C	* J02-0366-15	FOOT		
631	1D	* J12-0091-15	PIN		
632	3C	* J19-3609-04	UNIT HOLDER		
632	3C	* J19-3657-14	UNIT HOLDER		
633	2D	* J19-3642-05	UNIT HOLDER		
634	1B	* J19-3645-05	ANTENNA HOLDER(LOOP ANTENNA)		J
638	1D	* J42-0083-05	POWER CORD BUSHING		H
-	-	* J61-0307-05	WIRE BAND		
642	3B	* K29-5855-02	KN08(BAND/TUNING/10 KEY)		
643	2B	* K29-5862-02	KN08(SPEAKERS)	X	
644	3A, 3B	* K29-5863-13	KN08(BALANCE/POWER/PHONES)		
645	3A	* K29-5864-04	KN08(VOLUME CONTROL)		
646	3A	* K29-5865-04	KN08(BASS/TREBLE)		
647	3A	* K29-5866-04	KN08(INPUT SELECTOR)		
650	1C	* L07-0883-15	POWER TRANSFORMER	KR	
650	1C	* L07-0884-05	POWER TRANSFORMER	M	

L:Scandinavia K:USA P:Canada R:Mexico H:China made 5: KR-594
Y:Y/P(Far East, Hawaii) T:England E:Europe G:Germany J:Japan made 7: KR-794
Y:AAFE(S)(Europe) X:Australia M:Other Areas

△ indicates safety critical components.

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No.2					
Ref. No. 参照番号	Address 位置	Parts No. 部品番号	Description 部 品 名 / 規 格	Desti- nation 仕 向	Re- marks 備考
650	1C	* L07-0885-05	POWER TRANSFORMER	X	
650	1C	* L07-0970-05	POWER TRANSFORMER	P	
655	1B	* T90-0182-15	LEAD WIRE ANTENNA		
656	1B	* T90-0195-05	LOOP ANTENNA		
KR-794					
601	1A	* A01-3107-11	METALLIC CABINET		
602	3A	* A60-0544-11	PANEL		
603	1B	* A70-0974-05	REMOTE CONTROLLER ASSY		
604	1B	* A09-0170-08	BATTERY COVER		
610	3A	* B03-2894-13	DRESSING PLATE	K	H
611	2A	* B03-2895-13	DRESSING PLATE	Y	H
-	-	* B46-0092-33	WARRANTY CARD	Y	
-	-	* B46-0094-03	WARRANTY CARD		
-	-	* B46-0095-03	WARRANTY CARD		
-	-	* B46-0096-43	WARRANTY CARD	X	H
-	-	* B46-0121-33	WARRANTY CARD	P	
-	-	* B58-0513-04	CAUTION CARD	Y	H
-	-	* B58-0364-03	CAUTION CARD	KYR	
-	-	* B58-0965-03	CAUTION CARD	PX	
-	-	* B58-0966-03	CAUTION CARD		
-	-	* B58-0970-03	CAUTION CARD	M	R
-	-	* B60-1518-00	INSTRUCTION MANUAL(ENGLISH)		
-	-	* B60-1519-00	INSTRUCTION MANUAL(FRENCH)	P	M
-	-	* B60-1520-00	INSTRUCTION MANUAL(CHINESE)		
-	-	* B60-1521-00	INSTRUCTION MANUAL(SPANISH)		
615	1B	* E03-0115-05	AC PLUG ADAPTER		
616	1C	* E03-0141-05	AC OUTLET	M	X
617	1D	* E30-2592-15	AC POWER CORD	M	X
617	1D	* E30-2605-05	AC POWER CORD	M	M
617	1D	* E30-2650-05	AC POWER CORD	Y	V
617	1D	* E30-2650-05	AC POWER CORD		KPR
617	1D	* E30-2717-05	AC POWER CORD		X
622	2A, 3D	* E35-0765-05	FLAT CABLE		
626	3C	* G11-2186-04	CUSHION		
-	-	* H10-5698-02	POLYSTYRENE FOAMED FIXTURE		
-	-	* H10-5699-02	POLYSTYRENE FOAMED FIXTURE	H	H
-	-	* H10-5728-02	POLYSTYRENE FOAMED FIXTURE	H	H
-	-	* H10-5729-02	POLYSTYRENE FOAMED FIXTURE	J	J
-	-	* H10-5721-02	POLYSTYRENE FOAMED FIXTURE	J	J
-	-	* H13-0153-04	CARTON BOARD	X	
-	-	* H25-0232-04	PROTECTION BAG (235X350X0.03)		
-	-	* H25-1517-04	PROTECTION BAG		
-	-	* H50-0966-04	ITEM CARTON CASE	KPYXR	
-	-	* H50-0967-04	ITEM CARTON CASE	M	
-	-	* H50-0988-04	ITEM CARTON CASE		
630	3C	* J02-0366-15	FOOT		
631	1D	* J15-0091-15	PIN		
632	3C	* J19-3609-04	UNIT HOLDER		
632	3C	* J19-3657-14	UNIT HOLDER	J	H
633	2D	* J19-3642-05	UNIT HOLDER		
634	1B	* J19-3645-05	UNIT HOLDER		
638	1D	* J42-0083-05	POWER CORD BUSHING		
-	-	* J61-0307-05	WIRE BAND		
LScandinavia Y:PKF(East, Hawaii) Y:AA/ES(Europe)			K:USA T:England X:Australia	R:Mexico E:Canada EEurope MCOther Areas	H:China made 5: KR-594 J: Japan made 7: KR -794 A indicates safety critical components.

※ New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
J2	2D	*	F10-0920-14	SHIELDING PLATE		
-		*	H13-0150-04	CARTON BOARD		H
-		*	H13-0151-04	CARTON BOARD		H
-		*	H25-1520-04	PROTECTION BAG		H
-		*	H50-1044-04	ITEM CARTON CASE		H
CF1 ,2			L72-0531-05	CERAMIC FILTER		
CF3			L72-0574-05	CERAMIC FILTER		
L7			L30-0467-05	AM IFT		
L10			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L11			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L12			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		H
L1Q3			L39-1309-05	COMBINATION COIL		J
L1Q3			L39-1328-05	COMBINATION COIL		
L1Q6			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
X1			L77-1122-05	CRYSTAL RESONATOR(7.2MHZ)		
X2			L78-0295-05	RESONATOR (456KHZ)		
R11			RS14KB3A820J	FL-PROOF RS 82 J 1W		
R31			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R42			RD14NB2E101J	RD 100 J 1/4W		
R111			RD14NB2E470J	RD 47 J 1/4W		
R127,128			RD14NB2E101J	RD 100 J 1/4W		
W46			R92-0670-05	CHIP R 0 OHM		
W48			R92-0670-05	CHIP R 0 OHM		
S101	2D		S62-0034-05	SLIDE SWITCH	YM	
D3			HZS5.1N(B2)	ZENER DIODE		
D3			RD5.1ES(B2)	ZENER DIODE		
D4			HZS3.3N(B2)	ZENER DIODE		
D4			RD3.3ES(B2)	ZENER DIODE		
D7			MA110	DIODE		
D8			HSS104	DIODE		
D8			1SS133	DIODE		
D11			HZS8.2N(B2)	ZENER DIODE		
D11			RD8.2ES(B2)	ZENER DIODE		
D111,112			MA110	DIODE		
IC1			LA1831-KEN	ANALOG IC		
IC2			LC7218	IC(PLL SYNTHESIZER)		
IC12			NJM4565D	IC(OP AMP X2)		
Q1			2SC2714(R,Θ)	TRANSISTOR		
Q2			2SC1845(F,E)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		H
Q3			2SC2458(Y,GR)	TRANSISTOR		J
Q3			2SC2785(F,E)	TRANSISTOR		H
Q3			2SC3311A(Q,R)	TRANSISTOR		J
Q7			2SC2412K	TRANSISTOR		
Q11			2SD863(E,F)	TRANSISTOR		
Q102			2SA1037K	TRANSISTOR		
Q104			2SA1037K	TRANSISTOR		
Q107,108			2SC2412K	TRANSISTOR		
Q109,110			2SC2412K	TRANSISTOR		
Q111			2SA1037K	TRANSISTOR		
DT1			W02-1167-05	FM FRONT-END ASSY		

L:Scandinavia K:USA P:Canada R:Mexico H:China made 5: KR-594

Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J: Japan made 7: KR-794

Y:AAFES(Europe) X:Australia M:Other Areas

△ indicates safety critical components.

※ New Parts

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Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
SURROUND UNIT(X08-2630-XX)						
C1 ,2			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C3 ,4			CE04KW1V100M	ELECTRO 10UF 35WV		
C5 -8			CF92FV1H104J	MF 0.10UF J		
C102			CF92FV1H394J	MF 0.39UF J		
C104-106			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C107-114			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C116			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C117,118			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C119,120			CK45FB1H471K	CERAMIC 470PF K		
C121			CK45FB1H222K	CERAMIC 2200PF K		
C122			CC45FSL1H101J	CERAMIC 100PF J		
C123,124			CE04KW1A101M	ELECTRO 100UF 10WV		
C125-128			CF92FV1H104J	MF 0.10UF J		
C129,130			CF92FV1H472J	MF 4700PF J		
C131,132			CC45FSL1H100D	CERAMIC 10PF D		
C151			CF92FV1H223J	MF 0.022UF J		
C152			CQ92FM1H473J	MYLAR 0.047UF J		
C153-156			CE04KW1V100M	ELECTRO 10UF 35WV		
C157			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C158			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C159			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C160			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C161			CF92FV1H154J	MF 0.15UF J		
C162			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C163,164			CF92FV1H154J	MF 0.15UF J		
C165			CE04KW1H3R3M	ELECTRO 3.3UF 50WV		
C166			CF92FV1H154J	MF 0.15UF J		
C167			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C168			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C169			CE04KW1V4R7M	ELECTRO 4.7UF 35WV		
C170			CE04KW1HR47M	ELECTRO 0.47UF 50WV		
C171			CE04KW1C470M	ELECTRO 47UF 16WV		
C172			CF92FV1H474J	MF 0.47UF J		
C173			CK45FB1H681K	CERAMIC 680PF K		
C174			CE04KW1H2R2M	ELECTRO 2.2UF 50WV		
C175			CE04KW1V100M	ELECTRO 10UF 35WV		
C176			CF92FV1H105J	MF 1.0UF J		
C177			CF92FV1H333J	MF 0.033UF J		
C178			CF92FV1H152J	MF 1500PF J		
C179			CF92FV1H333J	MF 0.033UF J		
C201			CE04KW1V100M	ELECTRO 10UF 35WV		
C203			CF92FV1H104J	MF 0.10UF J		
C204			CE04KW1C101M	ELECTRO 100UF 16WV		
C205,206			CE04KW1E470M	ELECTRO 47UF 25WV		
C207,208			CE04KW1C221M	ELECTRO 220UF 16WV		
C211,212			CE04KW1H331M	ELECTRO 330UF 50WV		
C213,214			CE04KW1C221M	ELECTRO 220UF 16WV		
C215,216			CF92FV1H104J	MF 0.10UF J		
C251			C91-0757-05	CERAMIC 1000PF K		
C252,253			C91-0749-05	CERAMIC 220PF K		
C254			C91-0753-05	CHIP C 470PF K		
C255			C91-0757-05	CERAMIC 1000PF K		
C256			C91-0753-05	CHIP C 470PF K		

L:Scandinavia K:USA P:Canada R:Mexico H:China made 5: KR-594

Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J: Japan made 7: KR-794

Y:AAFES(Europe) X:Australia M:Other Areas

△ indicates safety critical components.

PARTS LIST

KR-594/794

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C257, 258 C259 C260 C261, 262 C301-303			CK45FF1H103Z CE04KW1A101M CK45FB1H561K CK45FB1H102K CE04KW1V4R7M	CERAMIC 0.010UF Z NP-ELEC 100UF 10WV CERAMIC 560PF K CERAMIC 1000PF K ELECTR 4.7UF 35WV		
C304			CE04KW1V470M	ELECTR 47UF 35WV		
J1	2C		E70-0046-05	LOCK TERMINAL BOARD		
L101, 102 X1			L39-0085-05 L78-0290-05	PHASE COMPENSATION COIL RESONATOR (8MHZ)		
CP1 R131, 132 R133, 134 R206, 207 R265			R90-0826-05 RS14KB3D100J RD14NB2E4R7J RS14KB3A101J RS14KB3A161J	MULTI-COMP 0.22X2 J 5W FL-PROOF RS 10 J 2W RD 4.7 J 1/4W FL-PROOF RS 100 J 1W FL-PROOF RS 180 J 1W		
R267 VR1			RN14BK2C3902F R12-1085-05	RN 39.0K F 1/6W TRIM POT 2.2K		
K1		*	S76-0036-05	MAGNETIC RELAY		
D201 D201 D251-259 D251-259 D301-306			HZS10N(B) ZENER DIODE HSS104A 1SS131 HSS104A	ZENER DIODE ZENER DIODE DIODE DIODE DIODE		
D301-306 IC1 IC2 IC3 IC4		*	1SS131 LA2785 LV1010 NJM4565L-D TC9213P	DIODE IC(DOLBY PRO LOGIC DECODER IC) DI BI-POLAR IC IC(OP AMP X2) IC(2CH ELECTRONIC VOLUME)		
IC5 IC6 IC7 IC9, 10 Q1, 2			NJM4565L-D TC9215P STK401-051 NJM4565L-D 2SC2878(B)	IC(OP AMP X2) IC(ANALOG SWITCH X 6) IC(30W AF POWER AMP) IC(OP AMP X2) TRANSISTOR		
Q101-103 Q104 Q105 Q201 Q201			2SC2003(L, K) 2SC1845(F, E) 2SC2878(B) 2SD2012 2SD2061(E, F)	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR		
AUDIO UNIT(X09-3950-XX)						
C1, 2 C3, 4 C5, 6 C7, 8 C9, 10			CC45FSL1H221J CE04KW1A101M CF92FV1H103J CF92FV1H332J CE04KW1V4R7M	CERAMIC 220PF J ELECTR 100UF 10WV MF 0.010UF J MF 3300PF J ELECTR 4.7UF 35WV		
C11, 12 C13, 14 C15, 16 C17, 18 C19, 20			CE04KW1C470M C91-0737-05 CE04KW1V4R7M CC45FSL1H020C CE04KW1V4R7M	ELECTR 47UF 16WV CERAMIC 47PF J ELECTR 4.7UF 35WV CERAMIC 2.0PF C ELECTR 4.7UF 35WV		
C21, 22 C23, 24 C25, 30 C31-33			CK45FF1H103Z CE04KW1C101M CE04KW1V4R7M C91-0753-05	CERAMIC 0.010UF Z ELECTR 100UF 16WV ELECTR 4.7UF 35WV CHIP C 470PF K		

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7:KR-794

H:China made 5:KR-504

J:Japan made 7:KR-794

⚠ indicates safety critical components.

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No.7

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
C34 C35, 36 C37, 38 C40 C41, 42			CE04HW1H4R7M CE04KW1C101M CE04KW1V4R7M CE04KW2A470M CF92FV1H823J	NP-ELEC 4.7UF 50WV ELECTR 100UF 16WV ELECTR 4.7UF 35WV ELECTR 47UF 100WV MF 0.082UF J		
C43-46 C47, 48 C49-52 C53, 54 C55, 56			CC45FSL1H101J CE04KW1A471M CC45FSL1H100D CC45FSL1H470J CC45FSL1H221J	CERAMIC 100PF J ELECTR 470UF 10WV CERAMIC 10PF D CERAMIC 47PF J CERAMIC 220PF J		
C57, 58 C59, 60 C61 C62, 63 C64			CE04KW1H010M CK45FF1H103Z CK45FB1H471K C91-0753-05 CE04KW1C470M	ELECTR 1.0UF 50WV CERAMIC 0.010UF Z CERAMIC 470PF K CHIP C 470PF K ELECTR 47UF 16WV		
C65, 66 C67-70 C71, 72 C73 C74			CF92FV1H392J CF92FV1H104J CF92FV1H752J CK45FF1H103Z CK45FB1H102K	MF 3900PF J MF 0.10UF J MF 7500PF J CERAMIC 0.010UF Z CERAMIC 1000PF K		
C75 C76 C77 C78 C79, 80		*	CE04KW1A221M CE04KW2A470M CK45FB1H102K CE04KW2A331M CE04KW1V220M	ELECTR 220UF 10WV ELECTR 47UF 100WV CERAMIC 1000PF K ELECTR 330UF 100WV ELECTR 22UF 35WV		
C81-84 C81-84 C85, 86 C87-90 C87-90		*	CK45FE2H103P C91-1480-05 C90-3536-05 CK45FE2H103P C91-1480-05	CERAMIC 0.010UF P MP 0.22UF 250WV ELECTR 6800UF 71WV CERAMIC 0.010UF P MP 0.22UF 250WV	KPR YMX KPR YMX	
C91, 92 C91, 92 C93, 94 C95 C96			CE04KW1V102M CE04KW1V332M CF92FV1H104J CE04KW1C100M CF92FV1H104J	ELECTR 1000UF 35WV ELECTR 3300UF 35WV MF 0.10UF J ELECTR 10UF 16WV MF 0.10UF J		5 7
C97 C98 C99 C100, 101 C102, 103			CE04KW1C100M CF92FV1H104J CE04KW1C100M CK45FF1H103Z CC45FSL1H221J	ELECTR 10UF 16WV MF 0.10UF J ELECTR 10UF 16WV CERAMIC 0.010UF Z CERAMIC 220PF J		
C104 C105 C106 C110			CE04KW1A101M CE04KW2A4R7M CK45FF1H103Z CK45FF1H103Z	ELECTR 100UF 10WV ELECTR 4.7UF 100WV CERAMIC 0.010UF Z CERAMIC 0.010UF Z		
J1 J2 J3 J4 J5	2B 2D 2D 2D 2D		E11-0207-05 E11-0188-05 E63-0068-15 E63-0047-15 E63-0070-15	PHONE JACK (3P) MINIATURE PHONE JACK(2P) PHONE JACK PHONE JACK PHONE JACK		
J6	2D	*	E70-0045-05	LOCK TERMINAL BOARD		
675 F1, 2 F1, 2 F1, 2	2C		F20-1284-05 F05-3121-05 F05-4028-05 F06-1022-05	INSULATING BOARD FUSE (SEMKO) (250V T3.15AL) FUSE (UL) (125V 4A) FUSE (SEMKO) (250V T1AL)	YMX KPR MX	7 7 5

I:Canada

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J:Japan made

7:KR-794

H:China made 5:KR-594

J:Japan made 7:KR-794

⚠ indicates safety critical components.

KR-594/794

PARTS LIST

✕ New Parts
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Teile ohne Parts No. werden nicht geliefert.

No.8

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
F1 ,2			F06-1222-05	FUSE (UL) (250V 1.25A)	KPR	5
CN9 -12			J13-0075-05	FUSE CLIP		
L1 ,2			L39-0085-05	PHASE COMPENSATION COIL		
CP1 ,2			R90-0826-05	MULTI-COMP 0.22X2 J 5W		
R17 ,18			RD14NB2E4R7J	RD 4.7 J 1/4W		
R51 ,52			RD14NB2E4R7J	RD 4.7 J 1/4W		
R83 ,84			RD14NB2E221J	RD 220 J 1/4W		
R89 ,90			RD14NB2E271J	RD 270 J 1/4W		
R91 ,92			RD14NB2E221J	RD 220 J 1/4W		
R99 -102			RD14NB2E220J	RD 22 J 1/4W		
R107,108			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
R109,110			RD14NB2E4R7J	RD 4.7 J 1/4W		
R119			RS14KB3D470J	FL-PROOF RS 47 J 2W		
R120			RS14KB3D101J	FL-PROOF RS 100 J 2W		
R126			RS14KB3A820J	FL-PROOF RS 82 J 1W		
R129,130			RS14KB3D561J	FL-PROOF RS 560 J 2W		
R131			RS14KB3D222J	FL-PROOF RS 2.2K J 2W		
R135			RS14KB3A472J	FL-PROOF RS 4.7K J 1W		
R136-138			RS14KB3D681J	FL-PROOF RS 680 J 2W		
R139			RS14KB3D122J	FL-PROOF RS 1.2K J 2W		5
R139-141			RS14KB3D821J	FL-PROOF RS 820 J 2W		7
R141			RS14KB3D122J	FL-PROOF RS 1.2K J 2W		5
R144			RD14NB2E2R2J	RD 2.2 J 1/4W		
R150			RD14NB2E2R2J	RD 2.2 J 1/4W		
R153			RS14KB3D122J	FL-PROOF RS 1.2K J 2W		
R155			RS14KB3D122J	FL-PROOF RS 1.2K J 2W		
R156			RS14KB3A820J	FL-PROOF RS 82 J 1W		
R160			RD14NB2E4R7J	RD 4.7 J 1/4W		
R185			RD14GB2E1R0J	FL-PROOF RD 1.0 J 1/4W	KPR	
VR1 ,2	2A		R12-1616-05	TRIMMING POT.(1K)		
K1			S51-2078-05	MAGNETIC RELAY		
K2			S76-0005-05	MAGNETIC RELAY		
D1 -8			HSS104A	DIODE		
D1 -8			1SS131	DIODE		
D11 -22			HSS104A	DIODE		
D11 -22			1SS131	DIODE		
D25			D5SBA20F03	DIODE		
D25			RBV-602LFA	DIODE		
D26			D3SBA20F03	DIODE		5
D26			D5SBA20F03	DIODE		7
D26			RBV-402LFA	DIODE		5
D26			RBV-602LFA	DIODE		7
D27			S5688B	DIODE		
D27			1SR139-100	DIODE		
D28 ,29			HZS15N(B)	ZENER DIODE		
D28 ,29			RD15ES(B)	ZENER DIODE		
D30			HZS6.2N(B2)	ZENER DIODE		
D30			RD6.2ES(B2)	ZENER DIODE		
D31 ,32			HZS16N(B2)	ZENER DIODE		
D31 ,32			RD16ES(B2)	ZENER DIODE		
D33			HZS5.6N(B2)	ZENER DIODE		
D33			RD5.6ES(B2)	ZENER DIODE		

L:Scandinavia K:USA P:Canada R:Mexico H:China made 5: KR-594
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Y:AAFES(Europe) X:Australia M:Other Areas

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✕ New Parts
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Teile ohne Parts No. werden nicht geliefert.

No.9

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
D34 ,35			HSS104A	DIODE		
D34 ,35			1SS131	DIODE		
D36			HZS4.7N(B2)	ZENER DIODE		
D36			RD4.7ES(B2)	ZENER DIODE		
D39 -42			HSS104A	DIODE		
D39 -42			1SS131	DIODE		
D43 -46		*	HZS22N(B2)	ZENER DIODE		
D43 -46		*	RD22ES(B2)	ZENER DIODE		
D47 -50			HZS24N(B2)	ZENER DIODE		
D47 -50			RD24ES(B2)	ZENER DIODE		
D51 -54			HZS18N(B2)	ZENER DIODE		7
D51 -54			RD18ES(B2)	ZENER DIODE		7
D55 -58		*	HZS20N(B2)	ZENER DIODE		7
D55 -58		*	RD20ES(B2)	ZENER DIODE		7
D60 -64			HSS104A	DIODE		
D60 -64			1SS131	DIODE		
IC1			NJM4565D-D	IC(OP AMP X2)		
IC1			XRA15218-DX	IC(OP AMP X2)		
IC2			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC3			NJM4565D-D	IC(OP AMP X2)		
IC3			XRA15218-DX	IC(OP AMP X2)		
IC4			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC5			NJM4565D-D	IC(OP AMP X2)		
IC5			XRA15218-DX	IC(OP AMP X2)		
IC6			NJM4580D-D	IC(OP AMP X2)		
IC7			TA7812S	IC(VOLTAGE REGULATOR/ +12V)		
IC7			UPC7812AHF	IC(VOLTAGE REGULATOR/ +12V)		
Q1 ,2			2SC2878(B)	TRANSISTOR		
Q3			2SA1048(Y,GR)	TRANSISTOR		
Q3			2SA1309A(Q,R)	TRANSISTOR		
Q5 -8			2SA992(F,E)	TRANSISTOR		
Q9 -12			2SC2632(R,S)	TRANSISTOR		
Q13 ,14			2SA1123(R,S)	TRANSISTOR		
Q15 ,16			2SC4137F19(V,W)	TRANSISTOR		
Q17 ,18			2SD2222BT	TRANSISTOR		
Q19 ,20			2SB1470BT	TRANSISTOR		
Q21 ,22			2SC2631(R,S)	TRANSISTOR		
Q23 ,24			2SC2003(L,K)	TRANSISTOR		
Q25			2SA1123(R,S)	TRANSISTOR		
Q26			2SB1370	TRANSISTOR		
Q26			2SB1375	TRANSISTOR		
Q27			2SD2012	TRANSISTOR		
Q27			2SD2061	TRANSISTOR		
Q28			2SB1370	TRANSISTOR		
Q28			2SB1375	TRANSISTOR		
Q29 ,30			2SC1845(F,E)	TRANSISTOR		7
Q31 ,32			2SA992(F,E)	TRANSISTOR		7
Q33			2SC2458(Y,GR)	TRANSISTOR		7
Q33			2SC3311A(Q,R)	TRANSISTOR		7
Q34			2SA1048(Y,GR)	TRANSISTOR		7
Q34			2SA1309A(Q,R)	TRANSISTOR		
Q35 ,36			2SC2003(L,K)	TRANSISTOR		
Q37 ,38			2SA1048(Y,GR)	TRANSISTOR		
Q37 ,38			2SA1309A(Q,R)	TRANSISTOR		

L:Scandinavia K:USA P:Canada R:Mexico H:China made 5: KR-594
Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J: Japan made 7: KR-794
Y:AAFES(Europe) X:Australia M:Other Areas

⚠ indicates safety critical components.

PARTS LIST

KR-594/794

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

No.10

No.11

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
DISPLAY UNIT(X14-385X-XX)						
D1		*	B30-2461-05	LED(RED)		
C1			CK45FF1H223Z	CERAMIC 0.022UF Z		
C2			CF92FV1H104J	MF 0.10UF J		
C3			CE04KW1C101M	ELECTRO 100UF 16WV		
C4 ,5			C91-0769-05	CERAMIC 0.01UF K		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8 ,9			CE04KW1H010M	ELECTRO 1.0UF 50WV		
C10			CE04KW1C101M	ELECTRO 100UF 16WV		
C11			C90-1826-05	BACKUP 0.047F 5.5WV		
C12 -15			CF92FV1H104J	MF 0.10UF J		
C16			CE04KW1C101M	ELECTRO 100UF 16WV		
C17			CK45FF1H103Z	CERAMIC 0.010UF Z		
C18			CE04KW1E102M	ELECTRO 1000UF 25WV		
C19			CE04KW1H100M	ELECTRO 10UF 50WV		
C20 -23			CK45FF1H103Z	CERAMIC 0.010UF Z		
C24 ,25			C91-1488-05	MF 6800PF 250VAC		
C26			CK45FF1H103Z	CERAMIC 0.010UF Z		
C27 -30			C91-0769-05	CERAMIC 0.01UF K		
C31 -33			CK45FF1H103Z	CERAMIC 0.010UF Z	YM	
C32 ,33			CK45FF1H103Z	CERAMIC 0.010UF Z	KPXR	
C201,202			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C203,204			CE04KW1C101M	ELECTRO 100UF 16WV		
C205,206			CC45FSL1H221J	CERAMIC 220PF J		
C209,210			CC45FSL1H560J	CERAMIC 56PF J		
C211,212			CF92FV1H393J	MF 0.039UF J		
C213,214			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
C215,216			CF92FV1H513J	MF 0.051UF J		
C217,218			CE04KW1H4R7M	ELECTRO 4.7UF 50WV		
J1		*	E03-0148-05	AC OUTLET	KPYR	
J2	1D		E03-0149-05	AC OUTLET	M	
F11 ,12			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	YM	
F13	2C		F04-5022-05	FUSE (UL) (125V 5A UL)	KPR	
F14			F05-2525-05	FUSE (SEMKO) (250V T2.5AL)	X	
CN6 -9			J13-0075-05	FUSE CLIP	YM	
CN10,11			J13-0075-05	FUSE CLIP	KPR	
CN12,13			J13-0075-05	FUSE CLIP	X	
L1 -3			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	YM	
L4			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)	KPR	
T1		*	L07-0864-05	POWER TRANSFORMER	YM	
T1			L07-0865-05	POWER TRANSFORMER	YM	
T1		*	L07-0866-05	POWER TRANSFORMER	X	
X1			L78-0294-05	RESONATOR (10.000M)		
R96		*	R92-1769-05	CARBON 3.3M J 1/2W	KPR	
R221,222			RD14NB2E100J	RD 10 J 1/4W		
VR1 ,2		*	R10-5078-05	POTENTIOMETER(100K,5B)		
K1			S76-0009-05	MAGNETIC RELAY		
S1 -10			S40-1064-05	PUSH SWITCH		
S11			S40-1064-05	PUSH SWITCH		
S12			S40-1064-05	PUSH SWITCH		
S13 -31			S40-1064-05	PUSH SWITCH		

Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J: Japan made 7: KR-794

Y:AAFES(Europe) X:Australia M:Other Areas

△ indicates safety critical components

* New Parts

Parts without Parts No. are not supplied.

Les articles non mentionnés dans le Parts No. ne sont pas fournis.

Teile ohne Parts No. werden nicht geliefert.

Ref. No. 参照番号	Address 位置	New Parts	Parts No. 部品番号	Description 部品名 / 規格	Desti- nation 仕向	Re- marks 備考
S32			S40-1064-05	PUSH SWITCH		5
S50	1C		S31-2322-05	SLIDE SWITCH	YM	
S51	1C		S62-0001-05	SLIDE SWITCH	YM	
S33		*	T99-0547-05	SPEED DETECTOR		
S34		*	T99-0548-05	SPEED DETECTOR		
D2 ,3			HSS104A	DIODE		
D2 ,3			1SS131	DIODE		
D4 ,5			HSS104A	DIODE		7
D4 ,5			1SS131	DIODE		7
D6 ,7			HSS104A	DIODE		
D6 ,7			1SS131	DIODE		
D8			HSS104A	DIODE		
D8			1SS131	DIODE		
D9			HSS104A	DIODE		
D9			1SS131	DIODE		
D10			HSS104A	DIODE		
D10			1SS131	DIODE		
D11 -20			HSS104A	DIODE		
D11 -20			1SS131	DIODE		
D21			HSS104A	DIODE	YM	
D21			1SS131	DIODE	YM	
D22			HSS104A	DIODE	X	
D22			1SS131	DIODE	X	
D23			HSS104A	DIODE	YMX	
D23			1SS131	DIODE	YMX	
D24 -30			HSS104A	DIODE		
D24 -30			1SS131	DIODE		
D31			HSS104A	DIODE		
D31			1SS131	DIODE		
D32 -35			HSS104A	DIODE		
D32 -35			1SS131	DIODE		
D36 -39			S5688B(TPB5)	DIODE		
D40 -43			HSS104A	DIODE		
D40 -43			1SS131	DIODE		
ED1	1B	*	CH1270C	INDICATOR TUBE		
ED2	3B	*	FIP11SM8R	INDICATOR TUBE		
IC1		*	CXP82320-158Q	M1-COM IC		5
IC1		*	CXP82320-162Q	M1-COM IC		7
IC2			S-80740AL	IC(VOLTAGE DETECTOR)		
IC3			AN780575F	IC(VOLTAGE REGULATOR/+5.75V)		
IC10			NJM4565D-D	IC(OP AMP X2)		
IC10			XRA15218-DX	IC(OP AMP X2)		
Q1			2SC2458(Y,GR)	TRANSISTOR		
Q1			2SC3311A(Q,R)	TRANSISTOR		
Q2			2SA1048(Y,GR)	TRANSISTOR	YM	
Q2			2SA1309A(Q,R)	TRANSISTOR	YM	
Q3			2SC2458(Y,GR)	TRANSISTOR		
Q3			2SC3311A(Q,R)	TRANSISTOR		
Q4			2SC2003(L,K)	TRANSISTOR		
Q11 ,12			2SC1845(F,E)	TRANSISTOR		
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		

Y:PX(Far East, Hawaii) T:England E:Europe G:Germany J: Japan made 7: KR-794

Y:AAFES(Europe) X:Australia M:Other Areas

△ indicates safety critical components

KR-594/794

PARTS LIST

SPECIFICATIONS

U.S.A., Mexico and Canada

Audio section

Rated power output at the STEREO operation

100 watts per channel minimum RMS, both channels driven, at 8 Ω from 40 Hz to 20,000 Hz with no more than 0.09% total harmonic distortion. (FTC)

Power output at the Surround operation (KR-794 only)

Front (1 kHz, 0.9% T.H.D. at 8 Ω) 70 W + 70 W
Center (1 kHz, 0.9% T.H.D. at 8 Ω) 30 W
Rear (1 kHz, 0.9% T.H.D. at 8 Ω) 15 W + 15 W

Total harmonic distortion (40 Hz ~ 20 kHz, 8 Ω)
..... 0.09 % at 100 W

Signal to noise ratio (IHF A)

PHONO (MM) 70 dB
CD, TAPE, VIDEO 95 dB

Input sensitivity/impedance

PHONO (MM) 3.5 mV/47 k Ω
CD/TAPE/VIDEO 200 mV/47 k Ω

Tone controls

BASS \pm 10 dB (at 100 Hz)
TREBBLE \pm 10 dB (at 10 kHz)

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity (IHF) 13.2 dBf (1.2 μ V at 75 Ω)

50 dB quieting sensitivity

STEREO 41.2 dBf (3.2 μ V at 75 Ω)

Total harmonic distortion at 1 kHz

MONO 0.6 %
STEREO 0.7 %

Signal to noise ratio at 65 dBf (IHF)

MONO 75 dB
STEREO 68 dB

Selectivity (IHF \pm 400 kHz) 50 dB

Stereo separation (IHF at 1 kHz) 40 dB

Frequency response 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

AM tuner section

Tuning frequency range 530 kHz ~ 1,700 kHz

Usable sensitivity 12 μ V/ (500 μ V/m)

Total harmonic distortion 0.7%

Signal to noise ratio 48 dB

Selectivity 30 dB

General

Power consumption 2.5 A (KR-794) 2.3 A (KR-594)

AC outlet

SWITCHED 2: (Total 200 W 1.6 A max.)

Dimensions W: 440 mm (17-5/16")

H: 192 mm (7-9/16")

D: 300 mm (11-13/16")

Weight (Net) 10.5 kg (23.1 lb)

Other countries

Audio section

Rated power output at the STEREO operation (KR-794)

(EIAJ) from 40 Hz to 20 kHz,

0.09% T.H.D., at 8 Ω 100 W + 100 W

(EIAJ) 1 kHz, 10% THD at 8 Ω 130 W + 130 W

Rated power output at the STEREO operation (KR-594)

(EIAJ) from 40 Hz to 20 kHz, 0.09% T.H.D. at 8 Ω

..... 100 W + 100 W

(EIAJ) 1 kHz, 10% T.H.D., at 8 Ω 125 W + 125 W

Power output at the Surround operation (KR-794 only)

Front (1 kHz, 0.9% T.H.D. at 8 Ω) 70 W + 70 W

Center (1 kHz, 0.9% T.H.D. at 8 Ω) 30 W

Rear (1 kHz, 0.9% T.H.D. at 8 Ω) 15 W + 15 W

Total harmonic distortion (40 Hz ~ 20 kHz, 8 Ω)

..... 0.09 % at 100 W

Signal to noise ratio (IHF'66)

PHONO (MM) 70 dB

CD, TAPE, VIDEO 95 dB

Input sensitivity/impedance

PHONO (MM) 3.5 mV/47 k Ω

CD/TAPE/VIDEO 200 mV/47 k Ω

Tone controls

BASS \pm 10 dB (at 100 Hz)

TREBBLE \pm 10 dB (at 10 kHz)

FM tuner section

Tuning frequency range 87.5 MHz ~ 108 MHz

Usable sensitivity (IHF) 13.2 dBf (1.2 μ V at 75 Ω)

50 dB quieting sensitivity

STEREO 41.2 dBf (3.2 μ V at 75 Ω)

Total harmonic distortion at 1 kHz

MONO 0.6 %

STEREO 0.7 %

Signal to noise ratio at 65 dBf (IHF)

MONO 75 dB

STEREO 68 dB

Selectivity (IHF \pm 400 kHz) 50 dB

Stereo separation (IHF at 1 kHz) 40 dB

Frequency response 30 Hz ~ 15 kHz, + 0.5 dB, - 3.0 dB

AM tuner section

Tuning frequency range

9 kHz 531 kHz ~ 1,602 kHz

10 kHz 530 kHz ~ 1,610 kHz

Usable sensitivity 12 μ V/ (500 μ V/m)

Total harmonic distortion 0.7%

Signal to noise ratio 48 dB

Selectivity 30 dB

General

Power consumption 230 W (KR-794) 200 W (KR-594)

AC outlet

SWITCHED 2: (Total 200 W max.)

(Except for Australia)

Dimensions W: 440 mm

H: 192 mm

D: 300 mm

Weight (net) 10.5 kg

Note:

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

KR-594/794

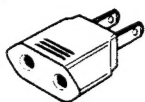
ACCESSORIES

ACCESSORIES

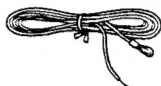
AM loop antenna a'ssy 1
(The shape of the loop antenna provided may differ depending on the area.)
(T90-0195-05)



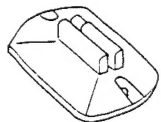
AC plug adaptor 1
(Except for some areas.)
For the unit with a European AC plug in areas other than Europe.
(E30-0115-05)



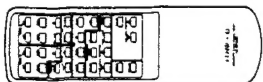
FM indoor antenna 1
(T90-0182-15)



Loop ANT stand : (J19-3645-05)



Remote control unit 1
A70-0975-05: KR-594
A70-0974-05: KR-794



Batteries 2



Battery cover : (A09-0170-08)

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